

Duplicate
CATALOGUE *8*

OF THE *1105*

OFFICERS AND STUDENTS

OF

YALE COLLEGE,

With a Statement of the Course of Instruction in the
Various Departments,

1882-83

NEW HAVEN:

TUTTLE, MOREHOUSE & TAYLOR, PRINTERS:

1882

ABBREVIATIONS

A.	-	-	-	-	-	-	Absent on leave
C.	-	-	-	-	-	-	Old Chapel
D.	-	-	-	-	-	-	Durfee College
E.	-	-	-	-	-	-	East Divinity Hall
F.	-	-	-	-	-	-	Farnam College
L.	-	-	-	-	-	-	Lyceum
N.	-	-	-	-	-	-	North College
N. M.	-	-	-	-	-	-	North Middle College
N. S. H.	-	-	-	-	-	-	North Sheffield Hall
S.	-	-	-	-	-	-	South College
S. H.	-	-	-	-	-	-	Sheffield Hall
S. M.	-	-	-	-	-	-	South Middle College
TR.	-	-	-	-	-	-	Treasury Building
W.	-	-	-	-	-	-	West Divinity Hall

Upon the College Square, the rooms numbered from 1 to 32 are in South College; from 33 to 64 in South Middle College; from 65 to 96 in North Middle College; from 97 to 128 in North College; from 129 to 177 in Farnam College; from 178 to 185 in the Lyceum; from 186 to 200 in the Old Chapel; from 201 to 240 in Durfee College.

The rooms in East Divinity Hall are numbered from 1 to 54; in West Divinity Hall from 55 to 124.

The rooms in Sheffield Hall are numbered from 1 to 22; in North Sheffield Hall from 28 to 58.

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CALENDAR

1882

14 Sept.	Thursday	FIRST ACADEMICAL TERM begins.
28 Sept.	Thursday	Fall Term, Department of Law, begins.
2 Oct.	Monday	School of the Fine Arts, term begins.
4 Oct.	Wednesday	Examination for admission, Department of Medicine.
5 Oct.	Thursday	First Term, Department of Medicine, begins.
21 Dec.	Thursday	FIRST TERM ends.

1883

Winter Vacation of three weeks.

11 Jan.	Thursday	SECOND ACADEMICAL TERM begins.
15 March	Thursday	Junior Exhibition.
21 March	Wednesday	SPRING RECESS begins.
28 March	Wednesday	SPRING RECESS ends.
29 March	Thursday	Winter Term, Department of Law, ends.
12 April	Thursday	Third Term, Dep't of Medicine, begins.
12 April	Thursday	Spring Term, Department of Law, begins.
7 May	Monday	Berkeley Scholarship Examination.
15, 16 May	Tuesd., Wedn.	Annual Examination, Dep't of Theology.
17 May	Thursday	Anniversary, Department of Theology.
21 May	Monday	Woolsey Scholarship Examination begins.
21 May	Monday	Winthrop Prize Examination.
31 May	Thursday	School of the Fine Arts, term ends.
22 June	Friday	DeForest Prize Speaking.
24 June	Sunday	Baccalaureate Sermon.
25 June	Monday	Presentation for Degrees, Academical Dep't.
25 June	Monday	Anniversary of the Department of Medicine.
26 June	Tuesday	Anniversary of the Society of Alumni.
26 June	Tuesday	Anniversary of the Sheffield Scientific School
26 June	Tuesday	Anniversary of the Department of Law.
27 June	Wednesday	COMMENCEMENT.
28, 29, 30 June	Thursday, Friday, and Sat.	{ Examinations for admission to the Academ- ical Department and to the Sheffield Scientific School.

Summer Vacation of eleven weeks.

11, 12 Sept.	Tuesd., Wedn.	Examinations for admission.
13 Sept.	Thursday	FIRST ACADEMICAL TERM begins.
27 Sept.	Thursday	Fall Term, Department of Law, begins.
3 Oct.	Wednesday	Examination for admission, Department of Medicine.
4 Oct.	Thursday	First Term, Department of Medicine, begins
20 Dec.	Thursday	FIRST TERM ends.

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Henry Titus Folsom	<i>Orange, N. J.</i>	210 D.

Charles Jenkins Foote	<i>New Haven</i>	14 S.
Charles Seward Foote	<i>Port Henry, N. Y.</i>	103 N.
Henry Anthon Forchheimer	<i>Mobile, Ala.</i>	157 F.
Robert Aldrich Fosdick	<i>Stamford</i>	2 S.
Elihu Brintnal Frost	<i>Peekskill, N. Y.</i>	209 D.
Herbert Loring Frost	<i>Cleveland, O.</i>	132 F.
John William Galbraith	<i>Erie, Pa.</i>	133 F.
Stephen Leonard Geisthardt	<i>Norwich</i>	7 S.
Chauncey Milton Griggs	<i>St. Paul, Minn.</i>	210 D.
William Irwin Grubb	<i>Cincinnati, O.</i>	211 D.
Charles Harris Hall	<i>Binghamton, N. Y.</i>	219 D.
Charles Halsey	<i>Brooklyn, N. Y.</i>	228 D.
Clifford Dudley Ham	<i>Dubuque, Iowa</i>	145 F.
Charles William Harkness	<i>Cleveland, O.</i>	218 D.
Benjamin Vincent Harrison	<i>Montclair, N. J.</i>	149 F.
Irving Warren Hart	<i>Southington</i>	92 N. M.
Frederick William Havens	<i>Bridgeport</i>	1 TR.
Samuel Newhall Hawkes	<i>New Haven</i>	233 York st.
Victor Emanuel Helleberg	<i>Cincinnati, O.</i>	85 N. M.
Harry Roberts Hillard	<i>Wilkes Barre, Pa.</i>	104 N.
Lord Butler Hillard	<i>Wilkes Barre, Pa.</i>	30 S.
Tuthill Reynolds Hillard	<i>Wilkes Barre, Pa.</i>	104 N.
Horace George Hoadley	<i>New Haven</i>	27 S.
William James Holly	<i>Philadelphia, Pa.</i>	69 N. M.
Wilber Eugene Houpt	<i>Somerset, N. Y.</i>	135 F.
Henry Martyn Hoyt	<i>Kingston, Pa.</i>	107 N.
Louis Kossuth Hull	<i>Lebanon</i>	209 D.
Thomas D. Husted	<i>Peekskill, N. Y.</i>	101 N.
William Alfred Jackson	<i>Norwalk</i>	36 High st.
George Conkling Jennings	<i>Cleveland, O.</i>	227 D.
Samuel Rountree Jewett	<i>Chicago, Ill.</i>	135 F.
George Washington Johnston	<i>Frankfort, Ky.</i>	227 D.
Francis Bartlett Kellogg	<i>Avon</i>	107 N.
Fred William Kellogg	<i>Red Wing, Minn.</i>	25 S.
Clifford Stephen Kelsey	<i>Bridgeport</i>	12 S.
Charles Martin Kendall	<i>Angelica, N. Y.</i>	204 D.
Sheldon Quayle Kerruish	<i>Cleveland, O.</i>	213 D.
Daniel Stimson Knowlton	<i>Biddeford, Me.</i>	144 F.
Harry Woodville Latham	<i>Bridgeport</i>	147 F.
Fred Churchill Leonard	<i>Spring Mills, N. Y.</i>	23 S.
Carll Andrews Lewis	<i>New Haven</i>	258 George st.
Joseph McKeen Lewis	<i>New York City</i>	27 S.
Allyn Cooke Loomis	<i>Windsor</i>	73 N. M.
Charles Loughridge	<i>Chicago, Ill.</i>	108 N.
George Henry Anderson Lyford	<i>Cincinnati, O.</i>	152 F.
George Stanley Lynde	<i>Bangor, Me.</i>	76 N. M.
Edward Tompkins McLaughlin	<i>Litchfield</i>	25 S.
William Hutchinson Merrill	<i>Brooklyn, N. Y.</i>	450 Chapel st.

Kier Mitchell	<i>Pittsburgh, Pa.</i>	217 D.
Cleveland Langston Moffett	<i>Newton, N. J.</i>	13 S.
Eliakim Hastings Moore, Jr.	<i>Denver, Col.</i>	152 F.
John Atwood Moore	<i>St. Louis, Mo.</i>	166 F.
Marcus Morton, Jr.	<i>Andover, Mass.</i>	132 F.
Joseph Horton Nelson	<i>Aurora, Ill.</i>	168 F.
Walter Eben Nettleton	<i>Stockbridge, Mass.</i>	220 D.
Isaac Burkett Newton	<i>Norwich, N. Y.</i>	147 F.
Harry Herbert Palmer	<i>Sioux City, Iowa</i>	26 S.
Joseph Robinson Parrott	<i>Oxford, Me.</i>	22 S.
Dudley Phelps	<i>New York City</i>	450 Chapel st.
John Jay Phelps	<i>Englewood, N. J.</i>	217 D.
John Pierpont	<i>New Haven</i>	10 S.
Samuel Ball Platner	<i>Newark, N. J.</i>	154 F.
Austin Roe Preston	<i>Buffalo, N. Y.</i>	31 S.
William Price	<i>Pottstown, Pa.</i>	69 N. M.
James Frank Raymond	<i>Brooklyn, N. Y.</i>	134 F.
David Farnam Read	<i>Bridgeport</i>	12 S.
Frederick William Rogers	<i>Cambridge, Mass.</i>	32 S.
Robert Cameron Rogers	<i>Buffalo, N. Y.</i>	15 S.
Joseph James Rose	<i>Bridgeport</i>	1 TR.
Charles Edward Sackett	<i>Westfield, N. Y.</i>	106 N.
Edward Barteau Sargent	<i>Cincinnati, O.</i>	208 D.
Linton Satterthwait	<i>Trenton, N. J.</i>	73 N. M.
Andrew Linn Sawyer	<i>Greenwich</i>	163 Orange st.
Rollin Augustus Sawyer, Jr.	<i>Greenwich</i>	163 Orange st.
Frederick David Shaffer	<i>Cincinnati, O.</i>	225 D.
Stanley Shaffer	<i>Cincinnati, O.</i>	225 D.
Charles Colebrook Sherman	<i>Syracuse, N. Y.</i>	155 F.
Henry Warner Slocum, Jr.	<i>Brooklyn, N. Y.</i>	226 D.
Clarence Melbury Smith	<i>Clifton, S. I., N. Y.</i>	204 D.
Edward Everett Smith	<i>Birmingham</i>	26 S.
Herbert Rodgers Smith	<i>Norwalk</i>	13 S.
Warren Weston Smith	<i>New York City</i>	8 S.
Thomas Shepard Southworth	<i>West Springfield, Mass.</i>	119 N.
Frank Penrose Sproul	<i>Pittsburgh, Pa.</i>	226 D.
William Kerper Stevens	<i>Reading, Pa.</i>	219 D.
William Hamilton Stockwell	<i>Orange, N. J.</i>	129 F.
Horatio Odell Stone	<i>Chicago, Ill.</i>	210 D.
Henry Hastings Strong	<i>Westfield, Mass.</i>	22 S.
Albert Edmond Symington	<i>New York City</i>	218 D.
Horace Dutton Taft	<i>Cincinnati, O.</i>	211 D.
Yew Fun Tan	<i>Kwongtung, China</i>	72 N. M.
Sherman Day Thacher	<i>New Haven</i>	11 S.
Henry Czar Merwin Thomson	<i>New Haven</i>	14 S.
Joseph Parker Trowbridge	<i>New Haven</i>	41 College st.
William Trumbull	<i>Valparaiso, Chili</i>	144 F.
Denison Baldwin Tucker	<i>New Haven</i>	91 N. M.

Harold Vernon	<i>Brooklyn, N. Y.</i>	213 D.
Frederic Denison Ward	<i>New York City</i>	91 N. M.
John Elton Wayland	<i>New York City</i>	208 D.
William Warren Weeks	<i>Havre, France</i>	166 F.
Clarence Wetherill Wilson	<i>Buffalo, N. Y.</i>	15 S.
John Butler Woodward	<i>Wilkesbarre, Pa.</i>	30 S.
Charles Halsted Yates	<i>Montclair, N. J.</i>	212 D.
Morrison Waite Young	<i>Toledo, O.</i>	160 F.

SENIORS, 149

JUNIOR CLASS

Frederic Sturges Allen	<i>Bridgeport</i>	159 F.
Wallace Steele Allis	<i>Brookfield, Vt.</i>	57 S. M.
Allison Vincent Armour	<i>Chicago, Ill.</i>	238 D.
Frank Oliver Ayres	<i>Oakham, Mass.</i>	124 N.
Frederic McLeod Barbour	<i>New Haven</i>	158 F.
Charles Seidles Beck, Jr.	<i>Wilkes Barre, Pa.</i>	23 S.
Charles Edwin Bedell	<i>Montclair, N. J.</i>	148 F.
Gabriel Isidore Behrisch	<i>Norwich</i>	157 F.
Nelson Pendleton Bigelow	<i>Chicago, Ill.</i>	233 D.
George Reddington Blodgett	<i>Bucksport, Me.</i>	45 S. M.
Samuel Albert Booth	<i>Easton</i>	44 S. M.
Wilbur Franklin Booth	<i>Easton</i>	44 S. M.
Carl Eastman Botsford	<i>Elgin, Ill.</i>	142 F.
Frank Davis Bowen	<i>Brooklyn, N. Y.</i>	24 S.
Robert Munro Boyd, Jr.	<i>Montclair, N. J.</i>	148 F.
William Benjamin Bristow	<i>New York City</i>	231 D.
Henry Buist, Jr.	<i>Charleston, S. C.</i>	163 F.
John Miller Burnam	<i>St. Louis, Mo.</i>	53 S. M.
James William Cain	<i>New Haven</i>	58 Putnam st.
Willson Carpenter	<i>Shekomoko, N. Y.</i>	176 F.
Charles Eugene Carr	<i>New Haven</i>	2 Hillhouse av.
William Mearns Carswell	<i>Highland Falls, N. Y.</i>	43 S. M.
Neville Hart Castle	<i>San Francisco, Cal.</i>	142 F.
Edward Mortimer Chapman	<i>Old Saybrook</i>	100 N.
George Marvin Cheney	<i>Southbridge, Mass.</i>	164 F.
James Milton Claggett	<i>Hollis, N. H.</i>	60 S. M.
Edward Huntington Coley	<i>Westport</i>	62 S. M.
William Bradley Coley	<i>Westport</i>	62 S. M.
Harris Dunscomb Colt	<i>New York City</i>	138 F.
Frederick Connell	<i>Scranton, Pa.</i>	164 F.
Charles Wilson Copeland	<i>Brooklyn, N. Y.</i>	66 N. M.
Edmund Petrie Cottle	<i>Buffalo, N. Y.</i>	24 S.

Henry Boman Cromwell	<i>Brooklyn, N. Y.</i>	230 D.
Frederick Kingsbury Curtis	<i>New York City</i>	233 D.
Leonard Mayhew Daggett	<i>New Haven</i>	174 F.
Henry Laurens Dawes, Jr.	<i>Pittsfield, Mass.</i>	234 D.
James Martin Dawson	<i>New York City</i>	223 D.
Fred Herbert Dodge	<i>Bangor, Me.</i>	182 L.
Julius Tyler Andrews Doolittle	<i>Utica, N. Y.</i>	239 D.
Frederic William Doringh	<i>Bristol, R. I.</i>	203 York st.
Charles Edwin Eaton	<i>Orange, N. J.</i>	59 S. M.
Ellsworth Eliot, Jr.	<i>New York City</i>	177 F.
Maxwell Evarts	<i>New York City</i>	90 High st.
Arthur Lincoln Farwell	<i>Chicago, Ill.</i>	234 D.
George Washington Flowers	<i>Irwin's Station, Pa.</i>	64 S. M.
Reginald Foster	<i>Boston, Mass.</i>	4 Library st.
Gerard Fountain	<i>New York City</i>	216 D.
Edward Chenery Gale	<i>Minneapolis, Minn.</i>	97 N.
Daniel Havens Griffing	<i>Culchogue, N. Y.</i>	113 N.
Gustave Frederick Gruener	<i>New Haven</i>	97 N.
John Rogers Halsey, Jr.	<i>Brooklyn, N. Y.</i>	4 Library st.
Robert Walbridge Hamill	<i>Chicago, Ill.</i>	238 D.
Horace Edward Hand	<i>Scranton, Pa.</i>	230 D.
James Smith Havens	<i>Weedsport, N. Y.</i>	140 F.
Howard Haines Higbee	<i>Cleveland, O.</i>	215 D.
Roderick Whittelsey Hine	<i>Lebanon</i>	140 F.
John Holden	<i>Bridgeport</i>	159 F.
Joseph Glasby Holliday	<i>St. Louis, Mo.</i>	222 D.
Charles Elmer Holmes	<i>Weeping Water, Nebr.</i>	57 S. M.
Henry Caleb Hopkins	<i>Catskill, N. Y.</i>	229 D.
Sidney Wright Hopkins, Jr.	<i>New York City</i>	206 D.
Edmund Otis Hovey	<i>New Haven</i>	43 S. M.
Frank Campbell Hughson	<i>Albany, N. Y.</i>	215 D.
William Hugh Hyndman	<i>Newburgh, N. Y.</i>	46 S. M.
Paul Emott Jenks	<i>Brooklyn, N. Y.</i>	4 Library st.
Charles Jesup Jennings	<i>Redding</i>	215 York st.
Reinert August Jernberg	<i>Fredrikshald, Norway</i>	64 S. M.
William Henry Jessup	<i>Montrose, Pa.</i>	224 D.
Daniel Albion Jones	<i>Fair Haven</i>	43 S. M.
Frederic Scheetz Jones	<i>Monroe City, Mo.</i>	48 S. M.
George William Judson	<i>Stratford</i>	48 S. M.
Robert Bage Kerr	<i>New York City</i>	214 D.
Ernest Buckingham Kimberly	<i>New Haven</i>	60 S. M.
David Kinlay, Jr.	<i>Andover, Mass.</i>	109 N.
Newell Clark Knight	<i>St. Louis, Mo.</i>	222 D.
Yung Kwai	<i>Kwongtung, China</i>	72 N. M.
Alexander Lambert	<i>New York City</i>	90 High st.
Thomas Garner Lawrance	<i>New York City</i>	224 D.
Edward Ashton Lawrence	<i>Chicago, Ill.</i>	235 D.
Beirne Lay	<i>Easton, Md.</i>	156 F.

James Otis Lincoln	<i>Bath, Me.</i>	172 F.
Ernest St. George Lough	<i>Brooklyn, N. Y.</i>	163 F.
Robert Hunt Lyman	<i>Holyoke, Mass.</i>	61 S. M.
George John McAndrew	<i>Forestville, N. Y.</i>	113 N.
John Osborn McCalmont	<i>Franklin, Pa.</i>	46 S. M.
Samuel Plumer McCalmont, Jr.	<i>Franklin, Pa.</i>	170 F.
Edwin McClellan	<i>Cambridge, N. Y.</i>	48 S. M.
Henry McCormick, Jr.	<i>Harrisburg, Pa.</i>	221 D.
Henry Clay McDowell, Jr.	<i>Lexington, Ky.</i>	231 D.
Oliver McKee	<i>Brooklyn, N. Y.</i>	212 D.
William Charles McMillan	<i>Detroit, Mich.</i>	202 D.
George Hudson Makuen	<i>Goshen, N. Y.</i>	156 F.
Isaac Henry Mayer	<i>Chicago, Ill.</i>	54 S. M.
Charles Abernethy Mead	<i>Darien</i>	88 N. M.
Edwin Albert Merritt	<i>Potsdam, N. Y.</i>	182 L.
John Andrew Myers	<i>Columbia, Pa.</i>	214 D.
Alexander Newton	<i>Crystal Springs, Miss.</i>	53 S. M.
William Ebenezer Nichols	<i>East Haddam</i>	161 F.
William Theophilus Nichols	<i>Cincinnati, O.</i>	131 F.
James William Oakford	<i>Scranton, Pa.</i>	232 D.
George Wakeman Osborn	<i>Easton</i>	56 S. M.
Harry McMahon Painter	<i>West Haven</i>	37 S. M.
Charles Laban Pardee	<i>New Haven</i>	65 Olive st.
George Washington Patterson, Jr.	<i>Westfield, N. Y.</i>	88 N. M.
Frank Dunlap Pavey	<i>Washington C. H., O.</i>	115 Elm st.
Vincent Charles Peck	<i>Trumbull</i>	105 Dwight st.
Benjamin Horn Pendleton	<i>Stonington</i>	54 S. M.
James Hosmer Penniman	<i>Philadelphia, Pa.</i>	47 S. M.
Jacob Perkins	<i>Warren, O.</i>	165 F.
Charles Pierpont Phelps	<i>Burlington, Vt.</i>	229 D.
Clarence Nathaniel Platt	<i>New Haven</i>	17 Lyon st.
Edwin Lewis Porter	<i>New Cumberland, W. Va.</i>	221 D.
Edward Wright Potter	<i>Essex</i>	173 F.
Albert Henry Pratt	<i>Brooklyn, N. Y.</i>	223 D.
Harry Woodruff Prouty	<i>Concord, O.</i>	40 S. M.
James Bronson Reynolds	<i>North Haven</i>	143 F.
Clinton Ross	<i>Binghamton, N. Y.</i>	137 F.
Henry Jacob Ryder	<i>New Haven</i>	70 Hallock st.
Harry Gilbert Samson	<i>Richmond, Ind.</i>	177 F.
Edward Isaac Sanford, Jr.	<i>New Haven</i>	237 D.
William Henry Sanford	<i>Newtown</i>	131 F.
Ward Webster Savery	<i>Marion, Mass.</i>	47 S. M.
Benjamin Sharps	<i>Newburgh, N. Y.</i>	55 S. M.
James Foster Scott	<i>West Philadelphia, Pa.</i>	38 S. M.
Charles Scott Seeley	<i>Fairfield</i>	56 S. M.
Henry Tweedy Shelton, Jr.	<i>Bridgeport</i>	237 D.
Oliver Taylor Sherwood	<i>Southport</i>	37 S. M.
John Ira Souther	<i>Worcester, Mass.</i>	40 S. M.

William McMurtrie Speer	<i>Huntingdon, Pa.</i>	434 Chapel st.
Selden Palmer Spencer	<i>Erie, Pa.</i>	143 F.
Sydney Stein	<i>Chicago, Ill.</i>	139 F.
John Henry Stevenson, Jr.	<i>Brooklyn, N. Y.</i>	170 F.
Frank Strong	<i>Auburn, N. Y.</i>	180 I.
William Lord Strong	<i>Pittston, Pa.</i>	116 F.
John Trumbull Swift	<i>Colchester</i>	216 D.
William Ambrose Taylor	<i>Brooklyn, N. Y.</i>	239 D.
Joseph Tomlinson, Jr.	<i>Shelton</i>	39 S. M.
Ray Tompkins	<i>Elmira, N. Y.</i>	203 D.
Frank Dean Trowbridge	<i>New Haven</i>	232 D.
Joseph Nathaniel Tuttle	<i>Madison, N. J.</i>	124 N.
Henry Bancroft Twombly	<i>Boston, Mass.</i>	158 F.
George Urquhart, Jr.	<i>Wilkes Barre, Pa.</i>	175 F.
Harry Raup Wagner	<i>Philadelphia, Pa.</i>	169 F.
Albert Clark Waite	<i>New York City</i>	235 D.
Charles Morehead Walker	<i>Chicago, Ill.</i>	169 F.
Dean Augustus Walker	<i>Auburndale, Mass.</i>	162 F.
Charles Ansel Watrous	<i>New Haven</i>	174 F.
Albert Foote Wells	<i>New Haven</i>	100 Greene st.
Arthur Brattle Wells	<i>Chicago, Ill.</i>	173 F.
Edward Wells, Jr.	<i>Peekskill, N. Y.</i>	161 F.
Henry Lincoln Whittlesey	<i>Old Saybrook</i>	172 F.
Daniel Hand Wilcox, Jr.	<i>New Haven</i>	165 F.
Amos Parker Wilder	<i>Augusta, Me.</i>	162 F.
Nathan Gallup Williams, Jr.	<i>Detroit, Mich.</i>	202 D.
William Williams	<i>New London</i>	238 York st.
Herbert Walter Wolcott	<i>Cleveland, O.</i>	45 S. M.
Henry Milton Wolf	<i>Chicago, Ill.</i>	139 F.
Joseph Wood	<i>Sayville, N. Y.</i>	167 F.
Harry Augustus Worcester	<i>Albany, N. Y.</i>	206 D.
Edward Augustus Wright	<i>Cromwell</i>	61 S. M.

JUNIORS, 160

SOPHOMORE CLASS

Ernest Rufus Adeo	<i>Westchester, N. Y.</i>	464 Chapel st.
Clifford Butler Allen	<i>St. Louis, Mo.</i>	124 W.
Henry Burrall Anderson	<i>New York City</i>	464 Chapel st.
John Hulett Arnot	<i>Elmira, N. Y.</i>	65 W.
Francis Peck Bacheler	<i>Woodstock</i>	161 York st.
Lucius Olmsted Baird	<i>Chicago, Ill.</i>	119 W.
Dwight Baldwin	<i>Allston, Mass.</i>	141 F.
Henry deForest Baldwin	<i>New York City</i>	136 Crown st.

Walter Sterrett Baldwin	<i>Chicago, Ill.</i>	432 Chapel st.
Frederic Barnard	<i>Poughkeepsie, N. Y.</i>	106 Wall st.
Jonathan Barnes	<i>Springfield, Mass.</i>	192 C.
Henry Worthington Beckwith	<i>Chicago, Ill.</i>	68 W.
Samuel Reading Bertron	<i>Port Gibson, Miss.</i>	107 W.
Lewis Sherrill Bigelow	<i>St. Paul, Minn.</i>	464 Chapel st.
Joseph Augustus Blake	<i>New Haven</i>	92 W.
Herbert James Boggis	<i>Cleveland, O.</i>	65 N. M.
John Henry Booth	<i>Vergennes, Vt.</i>	192 C.
Robert Seymour Bradley	<i>New Haven</i>	98 N.
Frank Bosworth Brandegee	<i>New London</i>	464 Chapel st.
John Cloyse Bridgman	<i>Cleveland, O.</i>	75 N. M.
John Horatio Briggs	<i>Auburn, Me.</i>	1 S.
Oliver Percy Bright	<i>Wilmington, Del.</i>	107 W.
Henry Stanford Brooks, Jr.	<i>San Francisco, Cal.</i>	464 Chapel st.
John Laidlaw Buel	<i>Litchfield</i>	123 N.
Lewin Frank Buell	<i>Madison</i>	100 N.
David Hanson Buffum, Jr.	<i>Great Falls, N. H.</i>	464 Chapel st.
Samuel Davis Capen	<i>St. Louis, Mo.</i>	124 W.
Charles Lyman Carhart	<i>Peekskill, N. Y.</i>	187 C.
William Merle Carhart	<i>Peekskill, N. Y.</i>	187 C.
William Scoville Case	<i>Granby</i>	189 George st.
Wilson Catherwood	<i>Philadelphia, Pa.</i>	87 W.
Edward Herrick Chandler	<i>Auburndale, Mass.</i>	116 N.
Harry Goodnow Chase	<i>Lake View, Ill.</i>	65 N. M.
Francis Asbury Christian	<i>Canandaigua, N. Y.</i>	60 S. M.
Sidney Morse Colgate	<i>Orange, N. J.</i>	66 W.
Richard Collins Colt	<i>New York City</i>	138 F.
Henry Buckelew Cosgrove	<i>Brooklyn, N. Y.</i>	3 S.
Augustin Averill Crane	<i>New Haven</i>	213 Orange st.
William Williams Crehore	<i>Cleveland, O.</i>	533 Chapel st.
Wilbur Lucius Cross	<i>Gurleyville</i>	99 N.
Charles Elbridge Cushing	<i>Bath, Me.</i>	1 S.
Colman Ward Cutler	<i>New London</i>	450 Chapel st.
William M. Derby	<i>Chicago, Ill.</i>	20 S.
George Stuart Dickinson	<i>Worcester, Mass.</i>	41 S. M.
Charles Stuart Dodge	<i>New York City</i>	72 W.
Herbert Lionel Doggett	<i>Kansas City, Mo.</i>	68 W.
Wilfred Ernest Eaton	<i>Orange, N. J.</i>	59 S. M.
Richard Ellis	<i>Peekskill, N. Y.</i>	49 S. M.
Albert Heman Ely	<i>Elyria, O.</i>	206 D.
William David Evans	<i>Rockville</i>	68 N. M.
Walter Farwell	<i>Chicago, Ill.</i>	81 N. M.
John Dennis Ferris	<i>Chatham, N. J.</i>	3 S.
Henry Richmond Flanders	<i>West Tisbury, Mass.</i>	81 N. M.
John Couch Flanders	<i>Portland, Oregon</i>	17 S.
Charles Northrop Flint	<i>Port Henry, N. Y.</i>	202 Orange st.
Lambert Foster	<i>Plainfield, N. J.</i>	119 W.

Frederic Wilson Francis	Newington	188 C.
Walter Francis Frear	Oakland, Cal.	99 N.
Henry Fresenius	New Haven	41 S. M.
Harlow Stearns Gale	Minneapolis, Minn.	97 N.
John William Gavin	New Haven	90 Orchard st.
Edward Augustus George	Providence, R. I.	63 S. M.
Lafayette Blanchard Gleason	Delhi, N. Y.	33 S. M.
Kenyon Gorham	New York City	59 W.
Herbert Ridgway Green	Reading, Pa.	92 W.
William Gregory Green	New Milford	75 N. M.
James Hall	New Haven	82 N. M.
Charles Edward Harris, Jr.	New Haven	149 St. John st.
Henry Knabb Harrison	Birdsboro, Pa.	117 York st.
Walter Augustus Hawley	San Francisco, Cal.	193 C.
Benjamin Kaye Heaton	Philadelphia, Pa.	191 C.
Edward Neblett Hidden	Cincinnati, O.	215 Crown st.
Charles Buxton Hobbs	Brooklyn, N. Y.	115 W.
Philip Parley Hubbar'd	Litchfield	128 High st.
Stanton Benette Hume	St. Louis, Mo.	63 W.
Ernest Howard Hunter	Chicago, Ill.	56 W.
Henry Fairchild James	Ogdensburg, N. Y.	464 Chapel st.
William Jarvis	Louisville, Ky.	237 Orange st.
James Richard Joy	Groton, Mass.	186 C.
James Benjamin Keogh	Chicago, Ill.	57 W.
Hervey DeLoss Leland	Utica, N. Y.	200 George st.
George Thomas Linsley	New Haven	11 Wolcott st.
Rodney Macdonough	Philadelphia, Pa.	106 W.
John McHenry	Baltimore, Md.	115 W.
Guy Ward Mallon	Cincinnati, O.	130 F.
Louis Austin Mansfield	New Haven	70 Lyon st.
Charles Thompson Mathews	New York City	71 W.
William Maxwell	Rockville	64 W.
James Alfred Merrill	Rutland, Vt.	464 Chapel st.
Caleb Eugene Montgomery	Lancaster, Pa.	62 W.
William Procter Morrison	Cincinnati, O.	20 S.
David Winfield Mulvane	Topeka, Kansas	17 S.
Charles Dwight Napier	Brooklyn, N. Y.	64 W.
Atherton Noyes	Wilmington, Mass.	116 N.
Manly Dayton Ormes	Tuscola, Mich.	190 C.
John Stone Pardee	New Haven	133 College st.
John Palmer Parsons	Rye, N. Y.	66 W.
Lyman Plimpton Peet	West Haven	191 C.
William Fellows Peet	Philadelphia, Pa.	33 S. M.
Edward Bunnell Phelps	New Haven	10 Washington st.
Robert James Pitkin	Denver, Col.	57 W.
John Winthrop Platner	Newark, N. J.	154 F.
David Plessner	Holden, Mo.	63 W.
Oramel Whittlesey Pratt	Salem	194 C.

Eugene Lamb Richards, Jr.	<i>New Haven</i>	135 College st.
Edwin Wales Robertson	<i>Columbia, S. C.</i>	109 College st.
Lucius Franklin Robinson	<i>Hartford</i>	76 High st.
Harry Leighton Rollins	<i>Wellesley, Mass.</i>	130 F.
George Augustus Sanderson	<i>Littleton, Mass.</i>	186 C.
Robert Alfred Sands	<i>New York City</i>	62 W.
Emil Adolfe Schultze, Jr.	<i>Hoboken, N. J.</i>	464 Chapel st.
Conrad Shamel Sheive, Jr.	<i>Norristown, Pa.</i>	58 W.
Frank Robinson Shipman	<i>Hartford</i>	76 High st.
Joseph Cornelius Smith	<i>Hawleyville</i>	22 Olive st.
George Fitch Stacy	<i>Stacyville, Iowa</i>	194 C.
Carrington Riverius Stiles	<i>East Bloomfield, N. Y.</i>	17 Wooster sq.
Richard Salter Storrs	<i>Orange, N. J.</i>	450 Chapel st.
Otis Strong	<i>Auburn, N. Y.</i>	180 L.
Wyllys Terry	<i>Brooklyn, N. Y.</i>	87 N. M.
Arthur Cecil Thomson	<i>New Haven</i>	220 D.
Arthur Lloyd Tomes	<i>Brooklyn, N. Y.</i>	18 S.
William Thomas Tomlinson	<i>Georgetown, Del.</i>	68 N. M.
Joseph Hendley Townsend	<i>New Haven</i>	18 S.
Frank Van Allen	<i>Ravenswood, Ill.</i>	190 C.
Francis Joseph Vernon	<i>Brooklyn, N. Y.</i>	67 N. M.
George Edgar Vincent	<i>New Haven</i>	44 High st.
Wilmer Earl Walker	<i>Chicago, Ill.</i>	56 W.
Charles Lewis Way	<i>Hartford</i>	76 High st.
Paul Irving Welles	<i>Fayetteville, N. Y.</i>	116 W.
Theodore Winthrop Weston	<i>New York City</i>	35 High st.
William Taylor Glidden Weymouth	<i>Beaufort, S. C.</i>	65 W.
Herbert Henry White	<i>New Haven</i>	147 Humphrey st.
Levi Olmstead Wiggins	<i>Newburgh, N. Y.</i>	525 Chapel st.
Charles Samuel Wiley	<i>Charleston, Ill.</i>	49 S. M.
Robert Bradford Williams	<i>Augusta, Ga.</i>	45 Goffe st.
Wolff Willner	<i>New Haven</i>	157 Bradley st.
George Heber Woodhull	<i>Baiting Hollow, N. Y.</i>	193 C.
George Catlin Woodruff, Jr.	<i>Litchfield</i>	123 N.
Wilfred James Worcester	<i>Albany, N. Y.</i>	116 W.

FRESHMAN CLASS

Charles Francis Adams	<i>Westport</i>	128 N.
John Charles Adams	<i>Oakland, Cal.</i>	120 York st.
Norman Ilsley Adams	<i>Boston, Mass.</i>	79 N. M.
Warren Austin Adams	<i>Skaneateles, N. Y.</i>	28 S.
Joseph Lincoln Adler	<i>Cincinnati, O.</i>	78 N. M.
Zachariah Nelson Allen	<i>Brooklyn, N. Y.</i>	25 High st.
Henry Semple Ames	<i>St. Louis, Mo.</i>	237 Orange st.
Paul Kimball Ames	<i>Minneapolis, Minn.</i>	64 Whalley av.
William Burrall Anderson	<i>New York City</i>	498 Chapel st.
Benjamin Harris Anthony	<i>New Bedford, Mass.</i>	126 N.
Robert Appleton	<i>New York City</i>	498 Chapel st.
Bartlett Arkell	<i>Canajoharie, N. Y.</i>	112 N.
Edward Sawyer Bacon	<i>Dover, N. H.</i>	77 N. M.
Charles Lukens Bailey, Jr.	<i>Harrisburg, Pa.</i>	498 Chapel st.
Irving Baldwin	<i>Cleveland, O.</i>	155 Elm st.
Harvey Brown Bashore	<i>West Fairview, Pa.</i>	55 Prospect st.
Everett Alanson Bates	<i>Danielsonville</i>	111 N.
John Beadle	<i>New Haven</i>	137 College st.
Porter Beardsley	<i>Auburn, N. Y.</i>	44 Elm st.
Daniel Doane Bidwell	<i>East Hartford</i>	120 Dwight st.
Louis Bennett Bishop	<i>New Haven</i>	215 Church st.
George Hathaway Bixby	<i>Los Angeles, Cal.</i>	129 College st.
Edward Newton Brandegee	<i>Berlin</i>	136 College st.
William Partridge Brandegee	<i>Elizabeth, N. J.</i>	127 Crown st.
Samuel Kimball Bremner	<i>Boxford, Mass.</i>	44 Elm st.
William Sinclair Brigham	<i>Savannah, Ga.</i>	489 Chapel st.
Joseph Sharswood Brinton	<i>Philadelphia, Pa.</i>	192 York st.
Cornelius Gardner Bristol	<i>Milford</i>	150 Grove st.
Ellis Henry Roberts Brooks	<i>New York City</i>	166 York st.
William Adams Brown	<i>New York City</i>	252 York st.
Carl Darling Buck	<i>Bucksport, Me.</i>	15 Home pl.
Wilson Lee Cannon, Jr.	<i>Dover, Del.</i>	38 High st.
William White Capron	<i>Albany, N. Y.</i>	238 York st.
Schuyler Casemate Carlton	<i>Cleveland, O.</i>	133 College st.
George Elias Carter	<i>Chicopee Falls, Mass.</i>	109 High st.
Theophilus Ransom Carter	<i>Erie, Pa.</i>	36 High st.
Lawrence William Churchill	<i>Oswego, N. Y.</i>	80 N. M.
Charles Franklin Clarke	<i>Columbia</i>	157 Orange st.
Charles Nelson Coddington	<i>Collinsville</i>	41 High st.
Austen Colgate	<i>Orange, N. J.</i>	252 York st.
James Moffatt Condit	<i>Indianapolis, Ind.</i>	65 York sq.
Michael Francis Connor	<i>Chicopee, Mass.</i>	29 Foote st.
Francis Rexford Cooley	<i>Hartford</i>	114 College st.
John Joseph Corkery	<i>Norwich</i>	159 George st.

Gibbons Gray Cornwell	<i>West Chester, Pa.</i>	189 George st.
Alfred Cowles, Jr.	<i>Chicago, Ill.</i>	200 York st.
Stanford Tappan Crapo	<i>New Bedford, Mass.</i>	126 N.
Thomas Darling	<i>Wilkes Barre, Pa.</i>	36 High st.
Benjamin Joseph Davis	<i>New Haven</i>	285 Orange st.
Thomas Mills Day, Jr.	<i>Hartford</i>	120 Crown st.
Calvin Dickey	<i>Cincinnati, O.</i>	78 N. M.
Thomas Frank Dougherty	<i>Waterbury</i>	106 Crown st.
Hugh Kirkman Drouillard	<i>Nashville, Tenn.</i>	133 College st.
Judson Shultz Dutcher	<i>Ellenville, N. Y.</i>	111 N.
Oliver Dyer, Jr.	<i>Mount Vernon, N. Y.</i>	125 Dwight st.
Percy Edgar	<i>New York City</i>	166 York st.
George Edwin Eliot, Jr.	<i>Clinton</i>	127 N.
Abraham Lincoln Fellows	<i>Norwich</i>	95 N. M.
George Otis Fellows	<i>Norwich</i>	95 N. M.
Henry Flarsheim	<i>St. Joseph, Mo.</i>	104 Howe st.
Richard Thomas Francke	<i>New York City</i>	109 High st.
William Morgan Gallup	<i>Norwich</i>	93 N. M.
Arthur Goebel	<i>Covington, Ky.</i>	25 High st.
Nicholas Minor Goodlett, Jr.	<i>Evansville, Ind.</i>	161 Temple st.
Chauncey William Goodrich	<i>New Haven</i>	87 Trumbull st.
William Burton Goodwin	<i>Biddeford, Me.</i>	80 N. M.
Willis Horace Goodyear	<i>Hamden</i>	86 Park st.
Charles Eugene Grant	<i>Chicago, Ill.</i>	184 York st.
Louis Moen Grant	<i>Chicago, Ill.</i>	184 York st.
Walter Greenwood Graves	<i>New Haven</i>	101 Grove st.
John King Griffith	<i>Cynthiana, Ky.</i>	121 York st.
Charles Jared Griggs	<i>Waterbury</i>	128 High st.
George Henry Guernsey	<i>Easton</i>	300 Elm st.
Edwin Trowbridge Hall	<i>Binghamton, N. Y.</i>	72 High st.
Lewis Birely Hamilton	<i>Waterbury</i>	74 Howe st.
Henry Earl Hard	<i>Chicago, Ill.</i>	125 N.
Henry Mills Harding	<i>Wilkes Barre, Pa.</i>	36 High st.
Charles Edward Hellier	<i>Bangor, Me.</i>	15 Home pl.
William Pirtle Herod	<i>Indianapolis, Ind.</i>	65 York sq.
Ralph Hickox	<i>New York City</i>	133 College st.
Edward Avery Hine	<i>Newark, N. J.</i>	105 Wall st.
Albert Holcomb	<i>Conway, Mass.</i>	66 Howe st.
Henry Ewing Hord	<i>Indianapolis, Ind.</i>	96 N. M.
Frederick Buell Hungerford	<i>Burlington, Vt.</i>	109 Wall st.
Charles Livingston Hyde	<i>Plainfield, N. J.</i>	127 Crown st.
Henry Ivison, Jr.	<i>Rutherford, N. J.</i>	161 York st.
Herbert Armstrong Jaggard	<i>Altoona, Pa.</i>	158 York st.
Charles Henry Jeffras	<i>Cincinnati, O.</i>	254 York st.
Frank Harrison Kelley, Jr.	<i>Worcester, Mass.</i>	65 York sq.
Edward Russell Kellogg	<i>San Francisco, Cal.</i>	120 York st.
Wallace Percy Knapp	<i>New York City</i>	219 York st.
Paul Augustine Kunkel	<i>Harrisburg, Pa.</i>	167 Temple st.

David Denison Lambert	<i>New Haven</i>	163 Bradley st.
Elliot Cowdin Lambert	<i>New York City</i>	90 High st.
Edward Bowman Leaf	<i>Birdsboro, Pa.</i>	489 Chapel st.
Dudley Leavitt	<i>West Stockbridge, Mass.</i>	128 N.
James Wright Lee, Jr.	<i>Cleveland, O.</i>	155 Elm st.
William Leland	<i>Cleveland, O.</i>	59 W.
Charlton Miner Lewis	<i>New York City</i>	125 High st.
Walter Hale Little	<i>Newbury, Mass.</i>	79 N. M.
William Howard Ludington	<i>New York City</i>	252 York st.
William McElroy	<i>Albany, N. Y.</i>	238 York st.
Charles Hale Matthews	<i>Chicago, Ill.</i>	65 York sq.
Charles Putnam Merrill	<i>Portland, Me.</i>	65 York sq.
Daniel Agnew Moore	<i>St. Louis, Mo.</i>	237 Orange st.
Frederick Wightman Moore	<i>New London</i>	41 High st.
Edward Broadbent Morgan	<i>Denver, Col.</i>	192 York st.
Charles Rockwell Morley	<i>Cleveland, O.</i>	41 Trumbull st.
George Rudolf Mosle	<i>New York City</i>	72 High st.
Henry Townsend Nason	<i>Troy, N. Y.</i>	112 N.
Charles Frederick Odell	<i>Tarrytown, N. Y.</i>	128 N.
William Augustus Otis	<i>Cleveland, O.</i>	155 Elm st.
John Henry Painter	<i>Kittanning, Pa.</i>	65 Olive st.
William Henry Parks	<i>Clinton</i>	29 High st.
Edward Wright Peet	<i>West Haven</i>	94 N. M.
Frank George Peters	<i>Syracuse, N. Y.</i>	77 N. M.
Harry William Petrikin	<i>Huntingdon, Pa.</i>	36 High st.
Edward Johnson Phelps	<i>Andover, Mass.</i>	74 High st.
Sheffield Phelps	<i>Englewood, N. J.</i>	74 High st.
Charles Wheeler Pierson	<i>Florida, N. Y.</i>	120 Dwight st.
John Leslie Russel Pratt	<i>Kansas City, Mo.</i>	55 Trumbull st.
Gurdon Mumford Ransom	<i>New York City</i>	72 High st.
Robert Latimer Redfield	<i>New York City</i>	166 York st.
Edward Winthrop Reid	<i>Lakeville</i>	74 High st.
Arleigh Dygert Richardson	<i>Ilion, N. Y.</i>	192 York st.
John Frederic Roache	<i>North Andover, Mass.</i>	109 N.
William Alfred Robbins	<i>Key Port, N. J.</i>	133 College st.
Henry Thayer Safford	<i>Andover, Mass.</i>	252 York st.
John Christopher Schwab	<i>Fordham Heights, N. Y.</i>	295 York st.
Samuel Washington Scott	<i>New Haven</i>	107 Dwight st.
Thomas Blythe Scott, Jr.	<i>Merrill, Wisc.</i>	154 Grove st.
Edward Blake Seely	<i>Tarrytown, N. Y.</i>	77 Elm st.
Fred Norris Sewall	<i>Bath, Me.</i>	127 N.
Henry Dusenbury Shelden	<i>Detroit, Mich.</i>	44 High st.
Arthur Leffingwell Shipman	<i>Hartford</i>	114 College st.
Edward Colhoun Smith	<i>St. Joseph, Mo.</i>	192 York st.
Edward Lincoln Smith	<i>Montpelier, Vt.</i>	93 N. M.
Floyd Robinson Smith	<i>Fersey City, N. J.</i>	71 N. M.
Frank DeWitt Smith	<i>Chicago, Ill.</i>	61 Prospect st.
George Clark Smith	<i>Newburgh, N. Y.</i>	167 Temple st.

Frank Asher Southworth	<i>Philadelphia, Pa.</i>	169 Whalley av.
William Cromwell Sprague	<i>Ogdensburg, N. Y.</i>	158 York st.
Walter Gay Stebbins	<i>Springfield, Mass.</i>	35 High st.
Philip Battell Stewart	<i>Middlebury, Vt.</i>	74 High st.
Edgar Crane Stiles	<i>Hartford</i>	94 N. M.
William Martin Strauss	<i>Poughkeepsie, N. Y.</i>	524 Chapel st.
Sylvester Howe Taylor	<i>Washington, D. C.</i>	70 Howe st.
Elford Parry Trowbridge	<i>New Haven</i>	221 Church st.
Frederick Cumings Truslow	<i>Brooklyn, N. Y.</i>	219 York st.
Rollin Usher Tyler	<i>Tylerville</i>	136 Crown st.
James Palmer Waring	<i>New York City</i>	31 Temple st.
Henry Stephens Washington	<i>Navesink, N. J.</i>	114 Chapel st.
Thomas Glasby Waterman	<i>Detroit, Mich.</i>	159 Temple st.
John Whitmore	<i>New Haven</i>	147 Bradley st.
Frank Urquhart Wilcox	<i>New Haven</i>	46 York sq.
Charles Rothchild Williams	<i>New Haven</i>	135 Grand st.
Frank Edward Wing	<i>Conway, Mass.</i>	55 W.
Dudley Winston	<i>Chicago, Ill.</i>	155 Elm st.
Frederick James Winston	<i>New York City</i>	120 York st.
Evans Woollen	<i>Indianapolis, Ind.</i>	96 N. M.
Roger Sherman Wotkyns	<i>Chicago, Ill.</i>	155 Elm st.
Richard Horner Wyeth	<i>Philadelphia, Pa.</i>	254 York st.
George Hurlbut Young	<i>New York City</i>	498 Chapel st.

FRESHMEN, 163

SHEFFIELD SCIENTIFIC SCHOOL

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WILLIAM H. TREADWELL, JR., PH.D.

HAROLD B. NYE, B.A.

LOUIS V. PIRSSON, PH.B.

GRADUATE STUDENTS

Frank Frost Abbott, B.A.	<i>Redding</i>	158 York st.
Henry Jonathan Biddle, PH.B.	<i>Philadelphia, Pa.</i>	128 High st.
Frederick Casper, PH.B.	<i>West Meriden</i>	West Meriden
Edward Holyoke Farrington, B.S. } State College, Me.	<i>Portland, Me.</i>	14 Lock st.
Herbert Waldron Faulkner, PH.B.	<i>Stamford</i>	53 Prospect st.
Frank Albert Kellogg, B.A.	<i>New Haven</i>	167 George st.
George Thomas Kennedy, M.A. } McGill College	<i>Windsor, N. S.</i>	59 Prospect st.
Sarkis Levonian, } Central Turkey College }	<i>Aintab, Turkey</i>	67 Mansfield st.
Ernest Theophilus Liefeld, PH.B.	<i>New Haven</i>	36 Orchard st.
Wilber McBride, B.A.	<i>Goshen, N. Y.</i>	116 College st.
Marcus Daty Munn, PH.B.	<i>Southington</i>	16 S. H.
Harold Bayless Nye, B.A. } Marietta College }	<i>Marietta, O.</i>	91 W.
Samuel Lucius Penfield, PH.B.	<i>Catskill, N. Y.</i>	14 S. H.
Thomas Burr Osborne, B.A.	<i>New Haven</i>	156 Crown st.
Louis Valentine Pirsson, PH.B.	<i>New York City</i>	53 Prospect st.
Charles Locke Scudder, B.A.	<i>Great Barrington, Mass.</i>	4 Library st.
Edward Vernon Silver, B.A.	<i>Brooklyn, N. Y.</i>	523 Chapel st.
Elliott Joseph Stoddard, LL.B. } Columbia College }	<i>New Haven</i>	157 Church st.
Franklin Eldred Worcester, B.A.	<i>Albany, N. Y.</i>	60 W.

GRADUATE STUDENTS, 19

NOTE.—These names have been already given in the list of Graduate Students on page 23.

SENIOR CLASS

Paul Whitin Abbott	<i>New Haven</i>	257 Church st.
John Alpheus Allen	<i>New Haven</i>	197 Temple st.
Benjamin Safford Barrows	<i>Hartford</i>	163 Temple st.
George Andrew Barrows	<i>Philadelphia, Pa.</i>	43 College st.
John Bartholomew	<i>Guilford</i>	17 Wooster pl.
Frederic Robinson Bartlett	<i>Freeport, Ill.</i>	36 Elm st.
Frederick Elijah Beach	<i>New Haven</i>	44 Lyon st.
Frederick Truman Bradley	<i>New Haven</i>	142 Orange st.
Charles Parker Breese	<i>Meriden</i>	489 Chapel st.
Charles Sumner Brown	<i>East Hampton</i>	61 Prospect st.
Charles Milo Carpenter	<i>Madison, Wisc.</i>	36 Elm st.
Horace Raymond Carpenter	<i>Afton, N. Y.</i>	60 w.
Samuel Myron Chase	<i>Chicago, Ill.</i>	109 York st.
Harry Nelson Covell	<i>Stamford</i>	43 College st.
Wayne Darlington	<i>West Chester, Pa.</i>	55 Trumbull st.
Edward Bradford Dench	<i>Bridgeport</i>	67 Mansfield st.
Henry Kelsey Devereux	<i>Cleveland, O.</i>	43 College st.
Robert Ogden DuBois	<i>New Haven</i>	328 Howard av.
Edward Peers Eastwick, Jr.	<i>New York City</i>	36 Elm st.
Horatio Southworth Frazer	<i>Holyoke, Mass.</i>	77 w.
Charles Lockwood Gold	<i>West Cornwall</i>	49 Grove st.
Charles Stewart Hall	<i>Warren, O.</i>	36 Elm st.
George Vance Harper	<i>Denver, Col.</i>	41 Trumbull st.
William Harper	<i>Shippensburg, Pa.</i>	163 Temple st.
Allen Hubbard	<i>Westfield, Mass.</i>	61 Prospect st.
John Elmer Lockwood	<i>Stamford</i>	146 Dixwell av.
William Ellison Lockwood	<i>Stamford</i>	146 Dixwell av.
James Lyman	<i>Middlefield</i>	109 Wall st.
John Edmund Newell	<i>Chicago, Ill.</i>	88 w.
Henry Curtis Nutt, Jr.	<i>Boston, Mass.</i>	36 Elm st.
George Shipman Payson	<i>Chicago, Ill.</i>	76 w.
Edward Wells Penfield	<i>Chicago, Ill.</i>	109 Elm st.
James Edward Pope, Jr.	<i>Jersey City, N. J.</i>	61 w.
David Murdoch Pratt	<i>Elmira, N. Y.</i>	36 Elm st.
Willie Sherman Randall	<i>Birmingham</i>	159 Temple st.
Albert William Robert	<i>New York City</i>	36 Elm st.
Joseph Warren Rogers, Jr.	<i>Scarborough, N. Y.</i>	137 College st.
Charles Lansing Sayre	<i>Utica, N. Y.</i>	43 College st.
Horace Lee Simpson	<i>Pensacola, Fla.</i>	146 College st.
Ebenezer Hubbard Skinner	<i>Escambia, Fla.</i>	146 College st.
Joseph Allen Skinner	<i>Holyoke, Mass.</i>	109 Elm st.
Edward Irving Stone	<i>Bethlehem</i>	159 Temple st.
John Edwards Stryker	<i>Catskill, N. Y.</i>	77 w.
Chuan Lok Wing	<i>China</i>	167 Temple st.
Alonzo Felton Wood, Jr.	<i>West Haven</i>	77 George st.
Alexander Wurts	<i>New Haven</i>	65 Whitney av.
Robert Hawthorne Wylie	<i>Chester, S. C.</i>	55 Trumbull st.

JUNIOR CLASS

Gustavo Alfonso	<i>New York City</i>	36 Elm st.
Elwood Harvey Allcutt	<i>Kansas City, Mo.</i>	55 Trumbull st.
Theodore Davenport Bacon	<i>Norwich</i>	53 Prospect st.
Lawrence Vincent Benét	<i>Washington, D. C.</i>	106 w.
Edward Blake	<i>New Haven</i>	149 Temple st.
Charles Francis Bosworth	<i>Milford</i>	387 York st.
Clarence Russell Britton	<i>Cleveland, O.</i>	36 Elm st.
Chauncey Rea Burr	<i>Portland, Me.</i>	63 Prospect st.
Albert Park Campbell	<i>New Haven</i>	16 York sq.
Herbert DeWitt Carrington	<i>New Haven</i>	527 Chapel st.
James Edward Carter	<i>New Haven</i>	121 Elm st.
William Brainard Coit	<i>New London</i>	36 Elm st.
Clifford Lawrence Colton	<i>Canton</i>	215 York st.
Louis Edward Cooper	<i>Ansonia</i>	347 York st.
George Wyckoff Cummins	<i>Vienna, N. J.</i>	347 York st.
Charles Percival Farquhar	<i>York, Pa.</i>	289 York st.
Arthur Bixby Ferguson	<i>New Haven</i>	30 Crown st.
Davenport Galbraith	<i>Erie, Pa.</i>	36 Elm st.
Morgan Augustus Guinnip	<i>Elmira, N. Y.</i>	136 Crown st.
Pelham Hague	<i>Tidioute, Pa.</i>	285 York st.
Calvin Linsley Harrison	<i>New Haven</i>	94 Wooster st.
John Bell Hatcher	<i>Cooper, Iowa</i>	12 Elm st.
Samuel Brown Hawley	<i>Yonkers, N. Y.</i>	43 College st.
Edwin Musser Herr	<i>Denver, Col.</i>	289 York st.
James Henry Jennings	<i>Redding</i>	215 York st.
Thomas Crossley Johnson	<i>New Haven</i>	80 LaFayette st.
Edson Keith, Jr.	<i>Chicago, Ill.</i>	200 York st.
Duane Judson Kelsey	<i>Killingworth</i>	29 High st.
Henry Hall Keyes	<i>Stony Creek</i>	276 Elm st.
Charles Merriam Kirkham	<i>Springfield, Mass.</i>	94 Grove st.
Albert Lucas	<i>Philadelphia, Pa.</i>	43 College st.
William Heath Lyon, Jr.	<i>Brooklyn, N. Y.</i>	76 w.
James Minor Maghee	<i>Evansville, Ind.</i>	63 Prospect st.
Luther James Martin	<i>Norwich</i>	361 Elm st.
Seyton Howard Martin	<i>Clifton, N. Y.</i>	85 w.
George Edgar Moulthrop	<i>New Haven</i>	253 North Front st.
William Wallace Nichols	<i>Manitou Springs, Col.</i>	289 York st.
Albert Anderson Noye	<i>Buffalo, N. Y.</i>	99 Wall st.
Herbert Lincoln Noyes	<i>New Haven</i>	74 High st.
Joseph Powell, Jr.	<i>Towanda, Pa.</i>	43 College st.
George Simon Roberts	<i>New York City</i>	101 w.
Walter Allen Sadd	<i>South Windsor</i>	159 Temple st.
William Godfrey Sage	<i>Chicago, Ill.</i>	63 Prospect st.
Russell Sargent	<i>New Haven</i>	51 Elm st.

Clarence Wellington Sheldon	<i>Brooklyn, N. Y.</i>	133 College st.
William Tuttle Shepard	<i>Bristol</i>	215 York st.
John Prentice Terry	<i>Brooklyn, N. Y.</i>	157 Orange st.
Chester Thorne	<i>Millbrook, N. Y.</i>	55 Trumbull st.
Thomas Rutherford Trowbridge, 3d	<i>New Haven</i>	41 College st.
James Henry Warner	<i>Steubenville, O.</i>	Prospect st.
Elmore Abram Willets	<i>Belmont, N. Y.</i>	44 Elm st.
Edward Simpson Wilson	<i>New York City</i>	101 W.
Andrew Lincoln Winton	<i>Bridgeport</i>	63 Prospect st.

JUNIORS, 53

FRESHMAN CLASS

Arthur Bronson Adams	<i>New Haven</i>	120 St. John st.
Grenville French Allen	<i>New Haven</i>	197 Temple st.
Philip VanWyck Anderson	<i>Sing Sing, N. Y.</i>	82 Wall st.
James Arthur Atwood	<i>Wauregan</i>	167 Temple st.
John Walter Atwood	<i>Wauregan</i>	167 Temple st.
John Frank Babcock	<i>Elmira, N. Y.</i>	31 Temple st.
Rodney Fisher Bates	<i>New York City</i>	103 Wall st.
Paul Daily Bernard	<i>Brooklyn, N. Y.</i>	133 College st.
Clarence Blakeslee	<i>New Haven</i>	316 George st.
Robert Neill Brace	<i>Dobbs Ferry, N. Y.</i>	165 Temple st.
George Tyler Brown	<i>Yonkers, N. Y.</i>	31 Temple st.
Fred Spencer Bullene	<i>Kansas City, Mo.</i>	44 Elm st.
Richard Morton Bushnell, Jr.	<i>Saybrook</i>	17 Wooster pl.
Merritt Mead Clark	<i>Bedford, N. Y.</i>	177 Temple st.
Wallace Sherman Clark	<i>Norfolk, Va.</i>	226 George st.
Arthur Chandler Coates	<i>Kansas City, Mo.</i>	40 Elm st.
Arthur Carrington Cowles	<i>Wallingford</i>	136 College st.
William Ledlie Culbert	<i>Brooklyn, N. Y.</i>	134 College st.
Hammond Jeremiah Dutton	<i>Hillsboro Bridge, N. H.</i>	109 High st.
Martin Juan Echeverria	<i>Panama, Colombia</i>	17 Wooster pl.
John Joseph Flather	<i>Bridgeport</i>	67 Mansfield st.
William Holt Gale	<i>New York City</i>	109 Elm st.
Harry Brainard Gaylord	<i>New Haven</i>	40 Academy st.
Irving Cook Gladwin	<i>Sherburne, N. Y.</i>	74 High st.
James Richard Godman	<i>La Fayette, Ind.</i>	31 Temple st.
Jacob Phillip Goodhart	<i>New Haven</i>	107 Court st.
Charles Lord Griffith	<i>San Francisco, Cal.</i>	489 Chapel st.
John Venable Hanna	<i>Kansas City, Mo.</i>	165 Temple st.
James H. Hepburn	<i>Jersey Shore, Pa.</i>	103 Wall st.
John Ethan Hill	<i>Mystic Bridge</i>	295 York st.

David Leavitt Hough	<i>Fort Wayne, Ind.</i>	111 York st.
Marvin D. Hubbell	<i>New York City</i>	94 York sq.
Percy Jackson	<i>Belleville, N. J.</i>	109 York st.
Edwin Young Judd	<i>Hartford</i>	7 Library st.
Amos William Kimball	<i>Portland, Oregon</i>	161 Temple st.
Harry D. Kohn	<i>Chicago, Ill.</i>	696 State st.
Ira Lamb	<i>Franklin</i>	157 Orange st.
Percy Lyford Lang	<i>Elmira, N. Y.</i>	161 Temple st.
Charles Pond McAvoy	<i>Chicago, Ill.</i>	242 York st.
Charles Dickerman McCandliss	<i>Philadelphia, Pa.</i>	119 College st.
William Adair McDowell	<i>Woodlake, Ky.</i>	203 York st.
Daniel William Maher	<i>New Haven</i>	305 Howard av.
Daniel Delevan Mangam, Jr.	<i>Sing Sing, N. Y.</i>	44 Elm st.
William Edward Martin	<i>Allentown, Pa.</i>	167 Temple st.
Edwin Alexander Meredith	<i>Xenia, O.</i>	55 Prospect st.
Deane Miller	<i>New Rochelle, N. Y.</i>	226 George st.
Herbert Lincoln Mitchell	<i>New Haven</i>	121 Park st.
Henry Moorhead Montgomery	<i>Portland, Oregon</i>	36 Elm st.
James Jacob Morgan	<i>New Haven</i>	470 Elm st.
William Alpheus Nettleton	<i>Kansas City, Mo.</i>	44 Elm st.
Truman Handy Newberry	<i>Detroit, Mich.</i>	464 Chapel st.
Herbert Beecher Nichols	<i>Yonkers, N. Y.</i>	31 Temple st.
Isaac Norris, 3d	<i>Philadelphia, Pa.</i>	74 High st.
George Washington Norton, Jr.	<i>Louisville, Ky.</i>	237 Orange st.
Henry Oliver	<i>Pittsburgh, Pa.</i>	31 Trumbull st.
John Cunningham Oliver	<i>Pittsburgh, Pa.</i>	31 Trumbull st.
Abbott Chandler Page	<i>Fair Haven</i>	South Quinnipiac st.
Willis LaFayette Perkins	<i>Portland, Me.</i>	A.
Royal Watson Pinney	<i>Derby</i>	167 Temple st.
Daniel Tuthill Pratt	<i>Elmira, N. Y.</i>	31 Temple st.
Sidney Armour Reeve	<i>Dayton, O.</i>	61 Grove st.
Willard Crawford Reid	<i>Lakeville</i>	74 High st.
John Rice	<i>Pottstown, Pa.</i>	489 Chapel st.
Charles Thomas Richardson	<i>Hornellsville, N. Y.</i>	44 Elm st.
William Todd Ross	<i>Belfast, Me.</i>	53 Prospect st.
Charles Gideon Rupert	<i>New Market, Va.</i>	111 Dwight st.
Frank Elbert Sands	<i>New Haven</i>	119 Dwight st.
Louis Milton Schmidt	<i>New Britain</i>	59 Grove st.
James Alward Seymour	<i>Auburn, N. Y.</i>	44 Elm st.
Murray Shipley, Jr.	<i>Cincinnati, O.</i>	109 Elm st.
Joseph Godfrey Snyder	<i>Chicago, Ill.</i>	696 State st.
Frank Jerome Stevens	<i>New Haven</i>	7 Wooster pl.
William VanSchoonhoven Thorne	<i>New York City</i>	65 Whitney av.
Henry Lee Townsend	<i>New York City</i>	82 Wall st.
Curtiss Chauncey Turner	<i>Omaha, Nebr.</i>	156 Grove st.
George Elliot Verrill	<i>New Haven</i>	148 College st.
Frederick Brewster Wheeler	<i>Monroe</i>	175 Temple st.
Henry Howard Whitehouse	<i>Hartford</i>	167 Temple st.

Willis Stoughton Williams	<i>Minneapolis, Minn.</i>	121 Park st.
Winslow Tracy Williams	<i>Norwich</i>	134 College st.
Clarence Henry Wood	<i>Morristown, N. J.</i>	120 York st.
Benjamin Elizur Wright	<i>Cromwell</i>	165 Temple st.

FRESHMEN, 81

SPECIAL STUDENTS NOT CANDIDATES FOR A DEGREE

George Barclay Bassett	<i>Watertown, N. Y.</i>	4 Mansfield st.
John Edward Calhoun	<i>Cornwall</i>	450 Chapel st.
Edward Seymour Hotchkiss	<i>Bridgeport</i>	Bridgeport
Henry Clay Johnson	<i>Rome, Ga.</i>	41 High st.
Warren A. Spalding	<i>New Haven</i>	89 Church st.
James Prior Wood	<i>West Haven</i>	2 Church st.

SPECIAL STUDENTS, 6

SCHOOL OF THE FINE ARTS

FACULTY

REV. NOAH PORTER, D.D., LL.D., PRESIDENT
JOHN F. WEIR, N.A., M.A., DIRECTOR
REV. JAMES M. HOPPIN, D.D.
JOHN H. NIEMEYER, M.A.

FREDERIC R. HONEY, *Instructor in Perspective*
JOHN P. C. FOSTER, M.D., *Instructor in Anatomy*
HARRISON W. LINDSLEY, C.E., *Instructor in Architecture*
FREDERIC T. LANGZETTEL, *Librarian*

STUDENTS

Maud A. Allen	<i>New Haven</i>
Emma H. Bacon	<i>New Haven</i>
Emma C. Banks	<i>New Haven</i>
M. Ona Banks	<i>New Haven</i>
Annie M. Barlow	<i>New Haven</i>
Emil Baumgarten	<i>New York City</i>
George F. Bosworth, PH.B.	<i>Milford</i>
Lucy A. Bradner	<i>New Haven</i>
Fannie C. Burr	<i>Monroe</i>
Elmira L. Candee	<i>Bridgeport</i>
Julia I. Coe	<i>New Haven</i>
Mary W. Curtis	<i>New Haven</i>
Sarah J. Deshon	<i>Meriden</i>
Sarah W. Foote	<i>New Haven</i>
Sarah D. Gardiner	<i>New Haven</i>
Margaret P. Gay	<i>Farmington</i>
Jessie C. Harger	<i>New Haven</i>
Eliiza J. Harrison	<i>New Haven</i>
Emma H. Hill	<i>New Haven</i>
Mary E. Hobson	<i>Wallingford</i>
William H. Jackson	<i>New Haven</i>
Louise R. Jewett	<i>Buffalo, N. Y.</i>
William H. Jewett	<i>New Haven</i>
Annie S. Johnson	<i>Fair Haven</i>
Elizabeth U. Kingsley	<i>New Haven</i>

Caroline Lindsley	<i>New Haven</i>
Henry E. Manning	<i>Fair Haven</i>
Rebecca M. Mitchell	<i>New Haven</i>
Elizabeth S. Newberry	<i>New Haven</i>
Jane C. Newton	<i>Norwich, N. Y.</i>
Helen Oakford	<i>New Haven</i>
Katherine B. Park	<i>New Haven</i>
Elizabeth S. Pitman	<i>Wallingford</i>
Mary R. Prescott	<i>New Haven</i>
Eleanor R. Silliman	<i>New Haven</i>
Albert E. Smith	<i>Waterbury</i>
Matilda B. Stoeckel	<i>New Haven</i>
Mary L. Thorn	<i>New Haven</i>
Walter E. Vaill	<i>Litchfield</i>
Ethel C. Walker	<i>New Haven</i>

Also, 82 students from the Sheffield Scientific School.

NOTE.—The Art Optional, for members of the Senior class of the Academical Department, does not begin until after the winter vacation, consequently the number of students in that class is undetermined.

SUMMARY OF STUDENTS

DEPARTMENT OF THEOLOGY	-	-	-	-	106
DEPARTMENT OF MEDICINE	-	-	-	-	30
DEPARTMENT OF LAW	-	-	-	-	85
DEPARTMENT OF PHILOSOPHY AND THE ARTS:					
GRADUATE INSTRUCTION	-	-	-		41
UNDERGRADUATE ACADEMICAL DEPARTMENT					611
SHEFFIELD SCIENTIFIC SCHOOL				-	206
SCHOOL OF THE FINE ARTS			-	-	40
					<hr/> 898
					1119
Deduct for names inserted twice				-	23
					<hr/> 1096
TOTAL	-	-	-	-	

GENERAL STATEMENT

The departments of Instruction in YALE COLLEGE are comprehended under four divisions, as follows:—

The Faculty of THEOLOGY;
of MEDICINE;
of LAW;
of PHILOSOPHY AND THE ARTS.

Under the last named Faculty are included, the COURSES FOR GRADUATE INSTRUCTION, the UNDERGRADUATE ACADEMICAL DEPARTMENT, the UNDERGRADUATE SECTION OF THE SHEFFIELD SCIENTIFIC SCHOOL, and the SCHOOL OF THE FINE ARTS,—each having a distinct organization.

In the particular statements which follow, the Department of Philosophy and the Arts is first given, with its subdivisions in the order named; and afterwards the three Professional Departments.

The legal designation of the Corporation is “THE PRESIDENT AND FELLOWS OF YALE COLLEGE IN NEW HAVEN.”

DEPARTMENT OF PHILOSOPHY AND THE ARTS

GRADUATE INSTRUCTION

Graduates of this and other Colleges, and other persons of liberal education (not less than eighteen years old), are received as students for longer or shorter periods, with or without reference to the attainment of a degree.

An Executive Committee has a general oversight of the students in this department. The Committee this year is composed of Professors WHITNEY, NEWTON, BRUSH, and WHEELER. They receive the names of applicants for instruction, and judge and approve the courses of study proposed; and information may be obtained from them as to conditions, terms, etc. Students may also make special arrangements with any instructor according to their mutual convenience.

Instruction is given partly by lectures, partly by recitations and by oral and written discussions, partly by directing courses of reading, and partly by work in the laboratories and with instruments.

The terms and vacations correspond with those in the Undergraduate Departments. (See Calendar, p. 4.)

The fee for instruction is generally one hundred dollars, or more or less, according to the course pursued and the amount of instruction received.

THE DEGREE OF DOCTOR OF PHILOSOPHY is conferred upon those who, after having taken a Bachelor's degree (implying a course of undergraduate study equivalent to that pursued in the Academical Department), and having studied in this department for not less than two years, shall have passed a satisfactory final examination and presented a thesis giving evidence of high attainment in the branches of knowledge pursued. It is not given, upon examination, to those whose studies are pursued elsewhere. The requirements for it will

in some cases exact of the student more than two years of labor; especially when the course of undergraduate study has been less than four years. A good knowledge of Latin, German, and French, will be required in all cases, unless, for some exceptional reason, the candidate be excused by the Faculty. The graduating fee is ten dollars.

The courses of instruction given in the department may be grouped as follows :

1. Intellectual Philosophy ; Ethics :

President PORTER and Professor LADD : Psychology ; Philosophy ; History of Philosophy ; Ethics.

2. Political Science and History :

Professor WHEELER : Origin and Development of the English Constitution.

Professor BREWER : Relations of Physical Geography to Political History.

Professor SUMNER : Politics and Finance in the History of the United States ; Political Economy.

Professor ROBINSON : History of Real Property ; Canon Law ; Parliamentary Law.

Professor DEXTER : American History.

Professor BALDWIN : Conflict of Laws ; Comparative Jurisprudence.

Professor PLATT : General Jurisprudence.

Professor WOOLSEY : International Law.

Mr. A. S. WHEELER : the Institutes of Gaius and Justinian ; select titles of the *Corpus Juris* ; German text-books of Roman Law.

3. Philological Science ; Literature :

Professor THACHER, Professor PECK, and Professor H. P. WRIGHT : selected Latin authors ; History of Roman Literature ; Early Latin ; Latin Philology ; Latin Composition ; Roman History and Archæology.

Dr. J. H. TRUMBULL : the American Indian Languages, especially the dialects of the Algonkin family.

Professor WHITNEY : the general Principles of Linguistic Science ; the Comparative Philology of the Indo-European Languages ; the Sanskrit Language.

Professor PACKARD and Professor SEYMOUR ; critical reading of Greek authors ; History of Greek Literature ; Greek Antiquities ; Greek Metres.

Professor WILLIAMS : the Chinese Language and Literature.

Mr. VAN NAME : the elements of the Japanese Language.

Professor LOUNSBURY and Professor BEERS : the Anglo-Saxon Language ; the early forms and literature of English.

Professor KNAPP: Spanish; Italian; Old French and Provençal; the Russian Language.

Professor DAY: the Hebrew and other Semitic Languages.

4. *Mathematics:*

Professor NEWTON: Calculus; Analytical Mechanics; Lunar and Planetary Theories; Higher Geometry.

Professor CLARK: Definite Integrals; Differential Equations; Analytical Mechanics; the Theory of Numerical Approximations; the Method of Least Squares.

Professor GIBBS: Vector Analysis, with applications to various departments of Physics; the Potential and allied Functions, with reference to the theories of Electricity and Magnetism, including the electro-magnetic theory of Light.

5. *Physics; Chemistry; Astronomy:*

Professor LOOMIS: Meteorology, with especial reference to the laws of storms.

Professor NORTON: Spherical Astronomy.

Professor LYMAN: the use of Meridional and other Astronomical Instruments.

Professor JOHNSON: Theoretical and Analytical Chemistry.

Professor A. W. WRIGHT: Physical Measurements, with Practical Exercises in the Physical Laboratory, in the departments of Heat, Light, and Electricity.

Professor ALLEN: Analytical Chemistry.

Professor DUBOIS: Thermodynamics.

Dr. WALDO: the Theory and Practice of Micrometry; Practical Thermometry.

6. *Geology; Natural History:*

Professor J. D. DANA: Geology.

Professor BRUSH: the Analysis and Determination of Mineral Species; Descriptive Mineralogy.

Professor EATON: Structural and Systematic Botany, including the North American Flora and the description of genera and species.

Professor MARSH: Palæontology; Comparative Osteology.

Professor VERRILL and Professor SMITH: Zoology.

Professor E. S. DANA: Optical Mineralogy; Crystallography.

7. *Applied Science:*

Professor NORTON: Applied Mechanics.

Professor LYMAN: Astronomical Spectroscopy.

Professor JOHNSON: Agricultural Chemistry.

Professor BREWER: Agriculture; Forest Culture.

Professor DUBOIS: Dynamical Engineering.

8. *Fine Arts :*

For the instruction open to Graduates in the School of the Fine Arts, see page 74.

THE DEGREE OF MASTER OF ARTS is conferred on Bachelors of Arts of two years' standing or upwards, who have given to the Academical Faculty evidence of having made satisfactory progress in liberal studies after receiving their first degree.

Such evidence may be furnished by one year's systematic study (not professional) in New Haven, under the direction of the Academical Faculty, followed by an examination.

Such Bachelors of Arts of this College as may not choose to reside at the College for the prosecution of study may show, at any time not less than three years after graduation, by their printed essays, or by submitting to special examinations, that they have spent a year in liberal (and non-professional) study, and are worthy of recommendation for this degree.

A committee of the Faculty is appointed (consisting, for the present year, of Professors NEWTON and WHEELER), to whom candidates for this degree must submit their proposed courses of study by the first of November in each year; and the evidence of a year's study must be submitted to the same committee by the first of the following June.

In the case of resident students, the charge for instruction will usually be one hundred dollars, with a fee of ten dollars for the degree. In the case of non-residents, the fee for examinations and the degree will usually be twenty-five dollars.

THE DEGREES OF CIVIL AND DYNAMIC ENGINEER are conferred on Bachelors of Philosophy who have taken the first degree in Engineering study, and who pursue a higher course for at least two years, sustaining a final examination, and giving evidence of their ability to design important constructions, and make the requisite drawings and calculations. The fee for graduation is five dollars.

UNDERGRADUATE ACADEMICAL DEPARTMENT

ALL CANDIDATES FOR ADMISSION to the Freshman Class are examined in the following books and subjects:

Latin Grammar.

Cæsar—four books of the Gallic war, or two books of the Civil war.

Cicero—seven Orations.

Vergil—Bucolics, and first six books of the Æneid, including Prosody.

Ovid—Metamorphoses, 2500 lines.

The translation, at sight, of passages from Cicero or Cæsar.

The translation into Latin of a connected passage of English Prose. [As special importance will be given to this part of the examination, it is suggested to teachers that they connect exercises in making Latin, both oral and written, with all the Latin studies of the preparatory course.]

Roman History—Creighton's Primer of Roman History is suggested, as indicating the amount required.

Greek Grammar.

The translation of English into Greek.

Xenophon—Anabasis, four books.

Homer—Iliad, three books, with Prosody.

The translation, at sight, of a passage from some work of Xenophon.

Greek History.

The rules for pronunciation given in Hadley's Grammar are recommended as a guide. For Greek History, Dr. Wm. Smith's or Fyffe's text book, and for Greek Composition, Jones's Exercises or White's Lessons, are suggested.

Higher Arithmetic—including the metric system of weights and measures.

Algebra—so much as is included in Loomis's Treatise, up to the chapter on Logarithms.

Euclid—first two books, or the whole of Plane Geometry in any other text-book. The candidate must be prepared to draw the figures for the demonstration of propositions.

Candidates will be allowed to divide the examination, with an interval of not less than a year between the two parts. In such cases, they must present themselves at the *June* examination of the first year, for examination in not more than ten (in which number the translation at sight of Latin and Greek must not be included) of the above subjects, and must be accepted on at least six, in order to receive any certificate.

THE REGULAR EXAMINATION FOR ADMISSION to college is held at Graduates' Hall, New Haven, on the Thursday, Friday, and Saturday after Commencement (June 28, 29, 30, 1883); *attendance is required at the opening of the examination, at 9 A. M. on Tuesday.* The examination is wholly in writing; copies of papers recently given will be sent by the Secretary on application.

In 1883 examinations for admission to the Freshman Class (but not to higher classes) will also be held in Andover, Mass., in Chicago, in Cincinnati, and in San Francisco (beginning on Thursday, June 28, at 9 A. M.), at places to be announced in the local newspapers of the day previous. Candidates who propose to be present (elsewhere than at New Haven) are requested to send their names to the Secretary before June 15. A fee of five dollars will be charged for admission to examinations outside of New Haven.

A second examination (for those who cannot attend the first) is held in New Haven at the beginning of the College year, on Tuesday and Wednesday (Sept. 11, 12, 1883); candidates for this examination must be present at Graduates' Hall at 9 A. M. on Tuesday.

Persons applying to be examined at other times must first obtain special permission from the Faculty, and pay to the Treasurer a fee of ten dollars. In general, examinations for admission to the next Freshman Class can only be held at the times above specified.

ADVANCED STANDING—All candidates for advanced standing, *whether from other Colleges or not*, are examined in addition to the preparatory studies, in those studies already pursued (see next page) by the class which they wish to enter. In the several languages, for the particular books studied by the Class equivalent amounts from other books may be offered.

Bachelors of Arts or of Philosophy of any institution may join the Senior Class (without examination and without becoming candidates for the Bachelor's degree), as candidates for the degree of Doctor of Philosophy after three years' study. (See p. 49.)

No one can be admitted to the Senior Class after the beginning of the second term.

AGE—No one can be admitted to the Freshman Class till he has completed his fifteenth year, nor to an advanced standing without a corresponding increase of age.

TESTIMONIALS—Satisfactory testimonials of good moral character (preferably from the last principal instructor) are in all cases required, before a certificate of admission is granted; and students from other Colleges must present certificates of dismissal in good standing.

BOND—Every person must give to the Treasurer, on being admitted, a bond, executed by the parent or guardian, for five hundred dollars, as security for the payment of charges arising under the laws of the College. A blank form for this purpose will be furnished at the time of admission.

THE COURSE OF INSTRUCTION occupies four years. In each year there are two terms. The following is a scheme of the studies, or, more correctly, of equivalents which will be accepted from candidates for advanced standing:—

FRESHMAN YEAR :

FIRST TERM—*Greek*—Homer's *Odyssey*, begun. *Latin*—Livy, begun; Cicero's *Second Philippic*; Arnold's *Latin Composition* (to page 150). *Mathematics*—Phillips and Beebe's *Graphic Algebra*; Todhunter's *Euclid*, books 3 and 4; Chauvenet's *Geometry*, books 3, 4, 5. *Hygiene*—Lectures.

SECOND TERM—*Greek*—Homer's *Odyssey*, continued through five books; Herodotus, one book; Boise's *Exercises in Greek Syntax* (to page 85). *Latin*—Livy continued through one book; Cicero *de senectute*; Ovid, *Ramsey's Selections*; Roman Antiquities. *Mathematics*—Chauvenet's *Geometry*; Richards's *Plane Trigonometry*, first six chapters. *Rhetoric*—Recitations and Lectures. Compositions.

SOPHOMORE YEAR :

FIRST TERM—*Greek*—Six Orations of Demosthenes. *Latin*—Odes of Horace; Agricola and Germania of Tacitus. *Mathematics*—Richards's *Plane Trigonometry*, Mensuration, Surveying and Navigation. *Rhetoric*—Compositions.

SECOND TERM—*Greek*—Prometheus of Æschylus; Xenophon's *Memorabilia*, one book; Antigone of Sophocles; Plato's *Apology of Socrates* and *Crito*. *Latin*—Satires and Epistles of Horace; Satires of Juvenal; Cicero *de officiis*. *Mathematics*—Richards's *Spherical Trigonometry*; Loomis's *Analytical Geometry*; Dana's *Mechanics*. *Rhetoric*—Lectures on Elocution, with practice. Declamations. Compositions.

JUNIOR YEAR :

FIRST TERM—*Physics*—Ganot's *Physics*. *German*—Whitney's *Grammar and Reader*; German Composition. *English*—Chaucer, Milton; Forensic Disputations. *Chemistry*—Barker's *Chemistry*; Lectures.

For optional studies (*Latin, Greek, Mathematics, French, Italian, English*) see below.

SECOND TERM.—*Physics*—Ganot's *Physics*. Lectures. *Rhetoric*—Forensic Disputations. *German*—Whitney's *Grammar and Reader*; *German Composition*. *Astronomy*—Loomis's *Astronomy*. *History*—Doyle's *United States*. *Logic*—Jevons's *Logic*.

For optional studies (*Latin, Greek, Mathematics, French, Italian, English, Anglo-Saxon, Zoology, Botany*) see below.

SENIOR YEAR :

FIRST TERM.—*Mental Philosophy*—Porter's *Human Intellect*. Lectures. *Moral Philosophy*—Butler's *Sermons*; Hopkins' *Law of Love*. *Geology*—Dana's *Geology*. *Political Science*—Mill's *Political Economy*. Lectures. *Rhetoric*—Compositions.

For optional studies (*Latin, Greek, French, German, Spanish, Italian, Sanskrit, Mathematics, Meteorology, Mineralogy, European History*) see below.

SECOND TERM.—*Natural Theology and Evidences of Christianity*—Lectures. *Mental Philosophy*—Porter's *Intellect*, continued. Lectures. *History of Philosophy*—Schwegler's *History*. *History*—Hallam's *Constitutional History*. Lectures. *Evolution and Cosmogony*—Lectures. *Rhetoric*—Compositions. *Political and Social Science*—Recitations. Lectures. *Common Law of England and American Constitutional Law*—Recitations and Lectures.

For optional studies (*Philosophy, Latin, Greek, French, German, Spanish, Italian, Sanskrit, Linguistics, Mathematics, Physics, Astronomy, Geology, International Law, Political Science, Fine Arts*) see below.

OPTIONAL STUDIES—Every student is required to have four exercises a week in an optional study, during Junior and Senior years. Change from one optional to another is allowed at the end of Junior year, and also to a new optional whenever one is begun. In case an optional is withdrawn before the end of a year, any of the other optionals may be chosen in its place, provided the instructor is upon examination satisfied of the student's fitness to enter the class. A student who can on examination show thorough acquaintance, in advance, with one or more of the required studies of Junior or Senior year, may choose instead a second optional. The following courses of optional studies are provided.

I. PHILOLOGY :

I. ANCIENT LANGUAGES: (a) GREEK, through Junior and Senior years, four exercises a week, with Professor Packard. (b) LATIN, through Junior and Senior years, with Professors Thacher and Peck, four exercises a week. (c) LATIN and GREEK, two exercises a week in each, through Junior and

Senior years, with Professors Thacher, Packard, and Peck. (*d*) SANSKRIT, through Senior year, with Professor Whitney, two double exercises a week.

2. MODERN LANGUAGES AND LITERATURE: (*a*) FRENCH, through Junior and Senior years, four exercises a week, with Professor Knapp; in Junior year, French Composition and Literature, the French language being the only medium of instruction. A thorough knowledge of the elements of the French Language is required of students who choose French as an optional study in Junior year. The examination may be passed at the time of the Sophomore annual examination, or at the beginning of Junior year, and will be upon Keetels' Elementary French Grammar, entire, including the irregular verbs. (*b*) SPANISH, through Senior year, four exercises a week, with Professor Knapp, Grammar and Exercises, with special reference to commercial correspondence and conversation, together with prose readings in living authors, and subsequently readings in Cervantes, Lope de Vega, and Calderon. (*c*) ITALIAN, through Junior and Senior years, four exercises a week, with Mr. Bendelari; in Junior year, Grammar, Composition, modern Italian prose; in Senior year, Composition, the classical literature, Dante. (*d*) GERMAN, through the first term and the first half of the second term of Senior year, four exercises a week, and through the remainder of the year, two exercises a week, with Mr. Hadley; Schiller's Wilhelm Tell, Goethe's Faust, scientific and controversial German of the present day. (*e*) ANGLO-SAXON, through the second term of Junior year, with Professor Beers, four exercises a week; Sweet's Anglo-Saxon Reader. (*f*) ENGLISH LITERATURE, through Junior year, with Professors Northrop and Beers, four exercises a week; Shakspeare, Spenser, and other authors; History of the Language and Literature.

3. LINGUISTICS. Through the first half of the second term of Senior year, two exercises a week, with Professor Whitney.

II. MENTAL AND MORAL PHILOSOPHY:

With President Porter and Professor Ladd, through the second term of Senior year, two exercises a week.

III. HISTORY AND POLITICAL SCIENCE:

1. HISTORY OF EUROPE, since 1815, through the first term of Senior year, with Professor Wheeler, four exercises a week, and during the remainder of the year two exercises a week; Fyffe's History of Modern Europe.

History of England to 1485, through the first term, four exercises a week; Bright's History of England, vol. i; Stubbs' Constitutional History of England.

2. INTERNATIONAL LAW, through the second half of the second term of Senior year, with Professor Phelps, two exercises a week.

3. POLITICAL ECONOMY, through the second term of Senior year, with Professor Sumner, two exercises a week.

IV. MATHEMATICS AND ASTRONOMY:

1. MATHEMATICS, through Junior and Senior years, four exercises a week, with Professor Newton; Calculus, followed by Analytical Mechanics or Higher Geometry.

2. ASTRONOMY, through the second term of Senior year, two exercises a week, with Professor Loomis; Loomis's Practical Astronomy.

V. MOLECULAR AND TERRESTRIAL PHYSICS:

1. PHYSICS, with practical exercises, through the second term of Senior year, twice a week, with Professor A. W. Wright.
2. METEOROLOGY, through the first term of Senior year, with Professor Loomis, four exercises a week; Loomis's Meteorology.
3. VECTOR ANALYSIS, with applications to Mechanics and Physics, through the first term of Senior year, four exercises a week, with Professor Gibbs.
4. THERMODYNAMICS, through the second term of Senior year, two exercises a week, with Professor Gibbs.

VI. NATURAL SCIENCE AND GEOLOGY:

1. GEOLOGY, through the second term of Senior year, with Professor J. D. Dana, two exercises a week; Dana's Manual.
2. MINERALOGY AND MATHEMATICAL CRYSTALLOGRAPHY, through the first term of Senior year, with Professor E. S. Dana, four exercises a week; Dana's Text-Book.
3. BOTANY, through the second half of the second term of Junior year, with Professor Eaton, four exercises a week.
4. ZOOLOGY, through the second half of the second term of Junior year, four exercises a week, with Dr. J. K. Thacher.

VII. FINE ARTS:

Four exercises a week, through the second term of Senior year, under Professor Niemeyer, in Drawing, and Professor Hoppin, in the History of Art. The usual fees in the School of the Fine Arts (\$18 for three months) are payable.

EXERCISES IN DECLAMATION AND COMPOSITION—The Senior Class have exercises in English composition, and the Junior Class in forensic disputation, through the year. The Sophomore Class during the whole year, and the Freshman Class during the latter half of the second term, have exercises in English composition.

The Sophomore Class have regular exercises in elocution; and once a week, during a part of the year, have an exercise in declamation before the Professor of Rhetoric and the members of the Class.

PUBLIC EXAMINATIONS are held at the close of the first and at the middle of the second term, on the studies of the term and half-term; and, at the close of the year, on all the studies of the year. The annual examinations are conducted wholly in writing, and continue for about two weeks.

TERMS AND VACATIONS

THE PUBLIC COMMENCEMENT is held on the last Wednesday in June. The first term begins eleven weeks from the day after Commencement-day and continues fourteen weeks; the

second term begins on the second Thursday in January and continues until Commencement-day, with a spring recess—usually of eight days—including Easter. (See Calendar, p. 4.) The exercises of each term begin with prayers in the Chapel on Thursday morning.

LEAVE OF ABSENCE—No student is allowed to be absent without special leave, except in the vacations.

PUBLIC WORSHIP

PRAYERS are attended in the Battell Chapel every week-day morning, with reading of the Scriptures and singing, and all the students are required to be present.

PUBLIC WORSHIP is held in the Chapel on Sundays, at which all the students are required to attend, except such as have special permission to attend the worship of other denominations, to which their parents belong. Such permission can be obtained only on presenting to the President a written request therefor from the parent or guardian.

GYMNASIUM

THE GYMNASIUM is designed to provide all the students with opportunities for exercise. Those who use the bath-rooms pay a small fee for tickets.

EXPENSES

THE TREASURER'S BILLS are made out three times a year, viz: at the close of the first term, and at the middle and at the close of the second term, at which times they are payable. The bills must be paid within two weeks after the beginning of the succeeding term or half-term, or the student is liable to be prohibited from reciting. Drafts on Boston, New York, and Philadelphia will be received at par.

The annual charge for tuition and incidentals is \$140.

For the rent and care of a half-room in the College buildings, the average charge is thirty-five dollars per year.

OTHER CHARGES—There are additional charges at graduation, amounting to eighteen dollars. If a student occupies a room alone, the charge for rent and care is ordinarily double that stated above.

ABSENCE ON LEAVE—A student who is absent from College

on account of sickness, or for any other cause, and retains his place in his class, pays full tuition during such absence.

BOARD is obtained at prices varying from three and a half to seven dollars a week. The average price is about five dollars.

ROOMS—There are in the College buildings about two hundred rooms occupied by students, at prices varying (according to location) from \$25 to \$140 per year, not including vacations. Students living out of College are not allowed to room in any building in which a family does not reside, except by special permission of the Faculty.

FURNITURE, BOOKS, ETC.—Students provide for themselves furniture, fuel, lights, and text-books; if books and furniture are sold when the student has no further necessity for them, the expenses incurred by their use will not be great.

NECESSARY EXPENSES—The following may be considered a near estimate of the *necessary* annual expenses, for a student occupying a half-room in College, without including apparel, traveling, and board in vacations:—

Treasurer's bill (according to location of room)	from	\$160	to	\$220
Board, 37 weeks,	-	-	-	130 to 260
Fuel, lights, and washing,	-	-	-	30 to 60
Use of text-books and furniture,	-	-	-	30 to 60
Total,	-	-	-	<hr/> \$350 \$600

COLLEGE GUARDIAN—As a precaution against extravagance, parents at a distance sometimes deposit funds with one of the Faculty; who, in that case, attends to the pecuniary concerns of the student, settles his bills, corresponds with the parent, and transmits an account of expenditures, for which services he charges a commission.

BENEFICIARY AID

The sum of \$15,000 and upwards, derived partly from permanent charitable funds, is annually applied by the Corporation for the relief of students who need pecuniary aid, especially of those preparing for the Christian ministry. Over one hundred students thus have their tuition either wholly or in part remitted. Those needing such aid should apply to the President before November 1st in each College year. Assistance will be withdrawn from students who incur serious College censure, or who fail to maintain a reputable scholarship.

THE HARMER FOUNDATION OF SCHOLARSHIPS comprises six scholarships, each yielding one hundred dollars a year, to be given to deserving students of small means.

THE LUCIUS HOTCHKISS FUND, of ten thousand dollars, comprises four scholarships, the income of which is given to indigent and deserving students.

There are nineteen other Scholarships, most of them yielding sixty dollars a year, which may be given to such students as shall be selected by the founders or the Faculty.

Students who need to avail themselves of the use of the Benevolent Library are supplied gratuitously with many of the text-books used in the College course.

FELLOWSHIPS AND SCHOLARSHIPS

THE DOUGLAS FELLOWSHIP, with an income of about six hundred dollars a year, was founded in 1873, by Mrs. Samuel Miller, of New Haven, and named in memory of her brothers, Rev. Sutherland Douglas (Y. C. 1822) and George H. Douglas (Y. C. 1828). The incumbent, who must be a recent graduate of this department, pursuing non-professional studies in New Haven, is elected annually, but no person shall hold the fellowship for more than three years.

THE SOLDIERS' MEMORIAL FELLOWSHIP, with an annual income of six hundred dollars, was founded in 1875 by Mrs. Theodosia D. Wheeler, of New Haven, in honor of the alumni who fell in battle as Union soldiers, in the war of 1861-1865, and in especial remembrance of William Wheeler, of the class of 1855. The incumbent must be, at the time of his election, a graduate of this department, of not more than three years' standing. He shall reside in New Haven, pursuing non-professional studies, and may hold the Fellowship for a period not exceeding five years.

THE SILLIMAN FELLOWSHIP, with an annual income of about six hundred dollars, is awarded to a graduate of this department who has given evidence of proficiency and promise in some branch of physical science. The incumbent is elected annually, but no person shall hold the Fellowship for more than three years.

THE BERKELEY SCHOLARSHIP, yielding nearly sixty dollars a year, is awarded to the student in each Senior class who passes the best examination in the Greek Testament (Pauline

Epistles), the first book of Thucydides, the first six books of Homer's Iliad, Cicero's Tusculan Questions, Tacitus (except the Annals), and Horace; provided he remain in New Haven as a graduate, one, two, or three years.

THE CLARK SCHOLARSHIP, yielding nearly one hundred and twenty dollars a year, is awarded in each Senior Class to the applicant who has passed the best annual examinations in the studies of the course; provided he remain in New Haven one or two years immediately after graduation, pursuing a course of study (not professional) under the direction of the Faculty.

THE LARNED SCHOLARSHIP, yielding three hundred dollars a year, and tenable for three years, is awarded in each Senior Class. The incumbent must reside in New Haven, pursuing a course of advanced study under the direction of the Faculty.

THE BRISTED SCHOLARSHIP, yielding about one hundred and fifteen dollars a year, is awarded, whenever there is a vacancy, to the student in the Sophomore or Junior Class who passes the best examination in the classics and mathematics. The successful candidate receives the annuity (forfeiting one-third in case of non-residence) until the end of the third year after graduation.

THE WOOLSEY SCHOLARSHIP, yielding nearly sixty dollars a year, is awarded to the student in each Freshman Class, who passes the best examination in Latin Composition (excellence in which is essential to success), in the Greek of the year, and in the solution of algebraic problems. The successful candidate receives the annuity, under certain conditions, during the four years of his College course. The student who stands second at this examination receives for one year the income of the HURLBUT SCHOLARSHIP; and the student who stands third, the income for one year of the THIRD FRESHMAN SCHOLARSHIP. The income of each of these Scholarships is sixty dollars.

THE W. W. DEFOREST SCHOLARSHIP, yielding nearly one hundred and twenty dollars, is awarded to a student in each Senior Class who has attained distinction in the study of French while in College, provided he remain in New Haven the year after graduation, pursuing a further course of study in the Romance languages under the direction of the Faculty.

PREMIUMS

THE DEFOREST PRIZE MEDAL, of the value of \$100, is awarded "to that scholar of the Senior Class who shall write and pronounce an English Oration in the best manner."

TOWNSEND PREMIUMS, five in number, of twelve dollars each, are awarded in the Senior Class for the best specimens of English Composition.

SENIOR MATHEMATICAL PRIZES (the first consisting of a gold medal of the value of ten dollars and of ten dollars in money, the second of ten dollars in money) are offered to the Senior Class for the best solutions of problems in both abstract and concrete mathematics.

COLLEGE PREMIUMS are offered to the Senior Class for the solution of problems in Practical Astronomy.

WINTHROP PRIZES (one of two hundred dollars and one of about one hundred dollars) are offered to the Junior Class "for the most thorough acquaintance with the Greek and Latin poets," as shown at an examination during the latter half of the second term.

COLLEGE PREMIUMS are given to the Sophomore Class for English Composition, and for declamation, and in the Sophomore and Freshman Classes for the solution of mathematical problems.

THE SCOTT PRIZE for excellence in German is offered to the Senior Class, and the SCOTT PRIZE for excellence in French to the Junior Class; these prizes are of the value of thirty dollars each, and are given in books.

BERKELEY PREMIUMS for Latin Composition are offered to the Freshman Class near the end of the year.

THE JOHN A. PORTER PRIZE, of two hundred and fifty dollars, is offered at each Commencement for the best English Essay. Any person who has been studying for a degree in any department of the University during the whole of the current College year may compete for this prize.

DEGREES

The degree of BACHELOR OF ARTS is conferred by the Corporation on those persons who have completed the course of academical exercises, as appointed by law, and have been approved on examination at the end of the course as candidates for the same. Candidates are required to pay their dues to the Treasurer as early as the Saturday before Commencement. For the degrees of Master of Arts and Doctor of Philosophy, see pages 52, 49.

SHEFFIELD SCIENTIFIC SCHOOL

THE SHEFFIELD SCIENTIFIC SCHOOL is devoted to instruction and researches in the mathematical, physical, and natural sciences, with reference to the promotion and diffusion of science, and also to the preparation of young men for such pursuits as require special proficiency in these departments of learning.

The School, begun in 1847, and reorganized upon a more extensive scale in 1860, received in 1863, by the act of the Connecticut Legislature, the national grant for the promotion of scientific education under the Congressional enactment of July, 1862.

OFFICERS AND INSTRUCTORS—Upon the Governing Board, consisting of the professors permanently attached to the School, devolves its internal management and the greater part of the instruction. In addition to these and the instructors employed during the current year (mentioned on p. 40), instruction is given in Elementary and Free-hand Drawing by Professor Niemeyer, of the School of the Fine Arts.

The Board of State Visitors consists of the Governor, Lieutenant Governor, three Senior Senators, and the Secretary of the Board of Education.

The instruction is intended for two classes of students:—

I.—Graduates of this or other Colleges, and other persons qualified for advanced or special study.

II.—Undergraduates who desire a training, chiefly mathematical and scientific, in part linguistic and literary, for higher scientific studies, or for other occupations to which such training is suited.

INSTRUCTION FOR GRADUATE AND SPECIAL STUDENTS

Persons who have gone through undergraduate courses of study, here or elsewhere, may avail themselves of the facilities of the School for more special professional training in the physical sciences and their applications, gaining in one, two, or three years the degree of BACHELOR OF PHILOSOPHY, or, in two additional years of Engineering study, that of CIVIL ENGINEER or that of DYNAMIC ENGINEER.

Or, engaging in studies of a less exclusively technical character, they may become candidates for the degree of DOCTOR OF PHILOSOPHY, under the conditions already stated (see p. 50). The instruction in such cases will be adapted to the particular needs and capacities of each student, and may be combined with that given by instructors in other departments. The list of graduate studies pursued, either wholly in the Scientific School, or conjointly with other departments, will be found on pp. 51, 52.

SPECIAL STUDENTS—For the benefit of those who, being fully qualified, desire to pursue particular studies without reference to obtaining a degree, special or irregular students are received in most of the departments of the School; not, however, in the Select Course, nor in the Freshman Class. It should be distinctly understood that these opportunities are not offered to persons who are incompetent to go on with regular courses, but are designed to aid those who have received a sufficient preliminary education elsewhere to increase their proficiency in special branches.

INSTRUCTION FOR UNDERGRADUATE STUDENTS

TERMS OF ADMISSION—Candidates must be not less than fifteen years of age, and must bring satisfactory testimonials of moral character from their former instructors or other responsible persons.

For admission to the Freshman Class the student must pass a thorough examination in the following subjects:

English—including grammar, spelling, and composition. In grammar, Whitney's Essentials of English Grammar, or an equivalent.

History of the United States.

Geography.

Latin—(1) Simple exercises in translating English into Latin. (Smith's "*Principia Latina*," Part I, and the First and Second Latin Books of the Ahn-Henn Latin Series (E. Steiger & Co., New York), are named as indicating the nature and extent of this requirement, and an acquaintance with one of these works will be required unless a satisfactory substitute is offered. In the last named course one-third of each exercise may, if desired, be omitted.) (2) *Cæsar*—six books of the Gallic War, or their equivalent. (As advantageous substitutes for the last three books of *Cæsar* may be suggested three books of Vergil's *Æneid*, or a similar amount of Ovid.)

Arithmetic—Fundamental Operations, Least Common Multiple, Greatest Common Divisor, Common and Decimal Fractions, Denominate Numbers, including the Metric System of Weights and Measures ; Percentages, including Interest, Discount, and Commission ; Proportion, Extraction of the Square and Cube Roots.

Algebra—Fundamental Operations, Fractions, Equations of the First Degree, with one or several unknown quantities ; Inequalities, Ratio and Proportion, Involution, including the Binomial Formula for an entire and positive Exponent ; Evolution, the Reduction of Radicals, Equations of the Second Degree, Progressions, Permutations and Combinations, the Method of Indeterminate Coefficients, Fundamental Properties of Logarithms, Compound Interest.

Geometry—Plane, Solid, and Spherical ; including fundamental notions of Symmetry, and examples of Loci and Maxima and Minima of Plane Figures.

Trigonometry—including the Analytical Theory of the Trigonometrical Functions, and the usual formulæ ; the Construction and Use of Trigonometrical Tables ; and the Solution of Plane Triangles ; so much, for example, as is contained in Newcomb's *Trigonometry* to Art. 79, or in Wheeler's or Richards's *Plane Trigonometry*. The Logarithmic and Trigonometric Tables furnished at the Examination will be Newcomb's (Henry Holt & Co., New York, 1882).

While no entrance examination is held in the *History of England*, candidates for admission are urgently advised to make themselves as familiar as possible with that subject ; as a knowledge of it is essential to the most successful prosecution of some of the studies of the course.

Candidates will be allowed the option of passing on the above-named subjects in two successive years. In such a case they must present themselves for examination at the June examination of the first year in the following subjects or parts of subjects : *History of the United States, Geography, Arithmetic, Plane Geometry, and Algebra to Quadratic Equations*.

In order to have this preliminary examination counted, candidates must pass satisfactorily on *all* the subjects ; and notice of the intention to divide the examination must be given to Professor G. J. Brush, Executive Officer of the School, on or before June 15.

For preparation in Algebra, Geometry, and Trigonometry, the recently published text-books of Professor Newcomb (Henry Holt & Co., New York), may, without indicating undue preference, be especially recommended. And to the candidate who prepares in other works, they may serve to indicate the extent and kind of attainments expected in the prescribed topics. Candidates who prepare in the Geometry of this author, may for the present omit the short chapters on the Ellipse, Hyperbola, and Parabola ; though they will find it advantageous to study them.

In his preparation in GEOMETRY the candidate should, as far as practicable, have suitable exercises in proving simple theorems and solving simple problems for himself. It is important, too, that he should be accustomed to the numerical application of geometric principles, and especially to the prompt recollection and use of the elementary formulæ of mensuration. In TRIGONOMETRY he should be exercised in applying the usual formulæ to a variety of simple reductions and transformations, including the solution of trigonometrical equations. Readiness and accuracy in trigonometrical calculations are also of prime importance to the candidate. If the use of logarithms is postponed in his preparation till Trigonometry is taken up (which is by no means necessary or advisable), he should then have abundant applications of them to all forms of calculation occurring in ordinary practice, as well as to those appearing in the solution of triangles. Finally, in all of his calculations, he should study the art of neat and orderly arrangement.

In LATIN the student should have such continued training in parsing as shall make him thoroughly familiar with declensions and conjugations, and with the leading principles of Syntax. To secure these results more effectually, the requirement has been adopted of simple exercises in translating English into Latin. As this course of exercises is designed solely as a preparation for reading, it should be begun at the earliest stage of Latin study. A very large proportion of the deficiencies in the Latin examination for several years past has been due to the neglect of the suggestions of this paragraph, and to the attempt to read a Latin author with totally inadequate grammatical preparation.

The examinations for admission take place at North Sheffield Hall, on Thursday, Friday, and Saturday, June 28, 29, 30, and on Tuesday and Wednesday, September 11, 12, 1883. Opportunities for private examinations may, in exceptional cases, be given at other times.

In 1883 examinations (for the Freshman Class only) will also be held in Andover, Mass., in Chicago, in Cincinnati, and in San Francisco (beginning on Thursday, June 28, at 9 A. M.), at places to be announced in local newspapers of the day previous. Candidates who propose to be present are requested to send their names to Professor G. J. Brush, Executive Officer of the School, before June 15. A fee of five dollars will be charged for admission to the examinations outside of New Haven.

Candidates for advanced standing in the undergraduate classes are examined, in addition to the preparatory studies, in those already pursued by the class they wish to enter. No one can be admitted as a candidate for a degree, later than at the beginning of the Senior year.

THE COURSES OF INSTRUCTION, occupying three years, are arranged to suit the requirements of various classes of students. The first year's work is the same for all; for the last two years the instruction is chiefly arranged in special courses.

The special courses most distinctly marked out are the following:—

- (a.) In Chemistry ;
- (b.) In Civil Engineering ;
- (c.) In Dynamical (or Mechanical) Engineering ;
- (d.) In Agriculture ;
- (e.) In Natural History ;
- (f.) In Biology preparatory to Medical Studies ;
- (g.) In studies preparatory to Mining and Metallurgy ;
- (h.) In Select studies preparatory to other higher studies.

The arrangement of the studies is indicated in the annexed scheme.

FRESHMAN YEAR—INTRODUCTORY TO ALL THE COURSES:

FIRST TERM—*German*—Whitney's Grammar and Reader. *English*—Lounsbury's History of the English Language; Exercises in composition. *Mathematics*—Spherical Trigonometry (Newcomb's); Plane Analytical Geometry. *Physics*—Recitations, with experimental lectures. *Chemistry*—Recitations and Laboratory practice. *Elementary Drawing*—Practical Lessons in the Art School.

SECOND TERM—*Language, Physics, and Chemistry*—as stated above. *Mathematics*—Plane Analytical Geometry, continued. *Physical Geography*—Lectures. *Botany*—Gray's Lessons, with Lectures. *Drawing*—Isometric Drawing, with application to drawing from models and structures by measurement. Shading and tinting. Principles of orthographic projection. Reading of working drawings and isometric construction of objects from their orthographic projections. Sections.

For the Junior and Senior years the students select for themselves one of the following courses:

(a.) IN CHEMISTRY:

JUNIOR YEAR:

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's. *Laboratory Practice*. *Blowpipe Analysis*. *German*. *French*.

SECOND TERM—*Theoretical Chemistry*—continued. *Laboratory Practice*—Quantitative Analysis, and experimental work in Organic Chemistry. *Mineralogy*—Blowpipe Analysis and determination of species. Lectures. *French*. *German*.

SENIOR YEAR :

FIRST TERM—*Organic Chemistry*—Lectures and Recitations. *Agricultural Chemistry*—Recitations (optional). *Laboratory Practice*—Volumetric and Mineral Analysis. *Geology*—Dana's. *Zoology*—Lectures. *French*.

SECOND TERM—*Organic Chemistry*—continued. *Laboratory Practice*—Analysis of Minerals and Technical Products. *Assaying* (optional). *Geology*—Dana's Manual. *Mineralogy* (optional). *French*.

(b.) IN CIVIL ENGINEERING :

JUNIOR YEAR :

FIRST TERM—*Mathematics*—Analytical Geometry of Three Dimensions ; Elements of the Theory of Functions ; Differential Calculus. *Surveying*—Field Operations. *Drawing*—Descriptive Geometry, begun. *German*. *French*.

SECOND TERM—*Mathematics*—Integral Calculus. Rational Mechanics. *Drawing*—Descriptive Geometry, concluded. Topographical. *Surveying*—Topographical. *German*. *French*.

SENIOR YEAR :

FIRST TERM—*Field Engineering*—Laying out Curves. Location of line of Railroad, with calculations of Excavation and Embankment. Hencks's Field Book for Railroad Engineers. Searles's Field Engineering. *Civil Engineering*—Resistance of Materials. Bridges and Roofs, begun. Stone Cutting, with Graphical problems. *Geology*—Dana's. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *French*.

SECOND TERM—*Civil Engineering*—Bridges and Roofs. Building Materials. Stability of Arches and Walls. Mahan's Civil Engineering. *Dynamics*—Principles of Mechanism. Steam Engine. *Hydraulics*—Hydraulics and Hydraulic Motors. *Drawing*—Graphical Statics. *Astronomy*—Loomis's Astronomy with practical problems. *Mineralogy*—continued. *Geology*—Dynamic. *French*.

(c.) IN DYNAMIC ENGINEERING :

JUNIOR YEAR :

FIRST TERM—*Mathematics*—Analytical Geometry of Three Dimensions ; Elements of the Theory of Functions ; Differential Calculus. *Surveying*—Field Practice. *Drawing*—Descriptive Geometry, begun. *German*. *French*.

SECOND TERM—*Mathematics*—Integral Calculus. Rational Mechanics. *Kinematics*—General Theory of Motion and Principles of Mechanism ; Elementary Combinations of Pure Mechanism ; Pulleys and Belts ; Gearing and forms of teeth for Wheels ; Parallel Motions. *Drawing*—Descriptive Geometry, concluded. *German*. *French*.

SENIOR YEAR :

FIRST TERM—*Statics*—Application of the Principles of Statics to Rigid Bodies ; Elasticity and Strength of Materials ; Forms of Uniform Strength ; Stability of Structure ; Construction of Roof Trusses, Girders, and Iron Bridges. *Machine Drawing*—Bolts and Nuts ; Riveting ; Journals, Axles, Shafts, Couplings, Pillow Blocks ; Shaft-hangers, Pulleys ; Connecting Rods and Cranks ; Cross-heads ; Pipe connections ; Valves ; Steam Cylinders, Stuffing Boxes, Glands, etc. Shop Visits. *Blowpipe Analysis*. French.

SECOND TERM—*Hydrostatics and Hydrodynamics*—Equilibrium and Pressure of fluids ; Hydrometers, Manometers, Gauges, etc. ; Water Pressure Engines and Water Wheels ; Construction of Water Reservoirs and Conduits ; Measurement of Water Supply ; Discharge of pipes. *Thermodynamics*—General principles of Heat employed as a source of power ; Theory of the Steam Engine ; Hot Air Engines ; Gas Engines. *Machine Designing*—Proportioning of Machine Parts, continued. Designing of Hoisting Engines ; Shearing and Pumping Engines ; Complete working drawings for a high speed Steam Engine. Shop Visits and Reports. *Metallurgy*.

(d.) IN AGRICULTURE :

JUNIOR YEAR :

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's. *Laboratory Practice*. *Blowpipe Analysis*. German. French.

SECOND TERM—*Theoretical Chemistry*—continued. *Laboratory Practice*—Quantitative Analysis. *Mineralogy*—Blowpipe Analysis and Determination of Species. *Physiology*—Huxley's. *Botany*. French. German.

SENIOR YEAR :

FIRST TERM—*Agriculture*—Cultivation of the Staple Crops of the Northern States. Tree Planting and Forestry. *Agricultural Chemistry*—Johnson's. *Organic Chemistry*—Lectures and Recitations. *Geology*—Dana's. *Botany*. *Zoology*. English. French.

SECOND TERM—*Agriculture*—Laws of Heredity and Principles of Breeding ; Lectures. *Geology*—Dana's. *Rural Economy*—Systems of Husbandry. *Agricultural Chemistry*—Johnson's. *Organic Chemistry*—continued. *Geology*—Dana's. *Zoology*. *Botany*. *Microscopy*. English. French.

(e.) IN NATURAL HISTORY :

(Either Geology, Mineralogy, Zoology, or Botany, may be made the principal study, some attention in each case being directed to the other three branches of Natural History.)

JUNIOR YEAR :

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's; Laboratory Practice; Recitations. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *Botany*—Gray's Manual; Laboratory Practice. *German. French.*

SECOND TERM—*Zoology*—Laboratory Practice; Recitations; Excursions (land and marine). *Botany*—Laboratory Practice; Excursions. *Physiology*—Huxley's. *Mineralogy*—continued. *Physical Geography. German. French.*

SENIOR YEAR :

FIRST TERM—*Geology*—Dana's; Excursions. *Zoology*—Laboratory Practice; Lectures; Recitations; Excursions. *Botany*—Herbarium Studies; Gray's Text-book; Excursions. *French.*

SECOND TERM—*Geology*—Dana's. *Anatomy of Vertebrates*—Huxley's. *Zoology*—Laboratory Practice; Recitations; Lectures. *Botany*—Herbarium Studies, especially in the Cryptogamous Orders; Botanical Literature; Essays in Descriptive Botany. *Meteorology. French.*

Besides the regular courses of recitations and lectures on structural and systematic Zoology and Botany, and on special subjects, students are taught to prepare, arrange, and identify collections, to make dissections, to pursue original investigations, and to describe genera and species in the language of science. For these purposes, large collections in Zoology and Palæontology belonging to the College are available, as are also the private botanical collections of Professor Eaton.

(f.) IN BIOLOGY PREPARATORY TO MEDICAL STUDIES :

JUNIOR YEAR :

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's; Laboratory Practice; Recitations. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *German. French.*

SECOND TERM—*Physiology*—Huxley's. Practical Exercises. *Theoretical Chemistry*—continued. *Physiological Chemistry*—Sanderson's Handbook; Recitations and Laboratory Work. *Mineralogy*—continued. *Botany*—Lectures; Practical Exercises in Phenogamous Plants; Excursions. *German. French.*

SENIOR YEAR :

FIRST TERM—*Physiological Chemistry*—continued. *Toxicology*—Laboratory Practice and Lectures. *Organic Chemistry*—Lectures and Recitations. *Zoology*—Lectures. *Botany*—Practical Exercises. Lectures and Excursions. *Geology*—Dana's Manual. *French.*

SECOND TERM—*Comparative Anatomy and Histology*—Laboratory Practice and Recitations. *Human Anatomy and Physiology*—Recitations. *Geology*—Dana's Manual. *Zoology*—Lectures. *Laws of Heredity and Breeding*—Lectures. *French.*

(g.) IN STUDIES PREPARATORY TO MINING AND METALLURGY:

Young men desiring to become Mining Engineers, can pursue the regular course in Civil or Mechanical Engineering, and at its close can spend a fourth year in the study of metallurgical chemistry, mineralogy, etc.

(h.) IN THE SELECT STUDIES PREPARATORY TO OTHER HIGHER STUDIES:

JUNIOR YEAR:

FIRST TERM—*Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *Physical Geography*—Guyot; Lectures. *English*—Early English. *History*—Green's Short History of the English People. *French*. *German*.

SECOND TERM—*Mineralogy*—Lectures. *Astronomy*. *Botany*—Lectures; Excursions; Laboratory Practice. *English*—Chaucer, Bacon, Shakspeare. *History*—Green's History, continued; History of the United States. *German*. *French*.

SENIOR YEAR:

FIRST TERM—*Geology*—Recitations and Excursions. *Zoology*—Lectures and Excursions. *Linguistics*—Whitney's Life and Growth of Language. *English*—Shakspeare. *Constitutional Law of the United States*. *French*.

SECOND TERM—*Geology*—continued. *Meteorology*—Lectures. *Sanitary Science*—Lectures. *Political Economy*—Recitations and Lectures. *English*—Shakspeare, Milton, Dryden, Pope, Gray, and later authors. *French*.

Exercises in English Composition are required during the entire course from all the students. The preparation of graduating theses is among the duties of the Senior Year.

Lectures on Military Science and Tactics are annually given by General Abbot, and other officers of the Engineer Corps of the United States Army.

THE TERMS AND VACATIONS correspond with those of the Academical Department. (See Calendar, p. 4.)

EXPENSES—The charge for tuition for undergraduate students is \$150 per year, payable, \$55 at the beginning of the first and second terms, and \$40 at the middle of the second term. The student in the Chemical course has an additional charge of \$70 per annum for chemicals and use of apparatus. He also supplies himself at his own expense with gas, flasks,

crucibles, etc., the cost of which should not exceed \$10 per term. A fee of \$5 is charged members of the Freshman Class for chemicals and materials used in their laboratory practice, and the same fee is required from all (except Chemical students) who take practical exercises in Blowpipe Analysis and Determinative Mineralogy. A fee of \$5 a term is also charged to students in the Zoological Laboratory, for materials and use of instruments. An additional charge of \$5 is annually made to each student for the use of the College Reading Room and Gymnasium.

For graduate students the charge for tuition is \$100 per year.

THE FEES for graduation of BACHELOR OF PHILOSOPHY, are \$10; unless the person taking the degree is also a graduate of the Academical Department, when the fee is but \$5.

DEGREES

THE DEGREE OF BACHELOR OF PHILOSOPHY is conferred on those who have completed one of the three-year courses, and have passed the examination at its close.

CIVIL AND DYNAMIC ENGINEER—See page 53.

DOCTOR OF PHILOSOPHY—See page 50.

SCHOOL OF THE FINE ARTS

THE COUNCIL of this Department consists of the following *ex-officio* members:—the President of the College, the President of the National Academy of Design, the President of the New York Museum of Art, and the Director of the School, who is also the Secretary; together with four members by election, Mr. HENRY FARNAM, Mr. DONALD G. MITCHELL, Mr. EDWARD E. SALISBURY, and Mr. JOHN D. WHEELER.

THE FACULTY, on whom devolves the internal management of the School, consists of the President of the College, and the Professors whose names and departments of instruction are as follows:—JOHN F. WEIR, Professor of Painting and Director of the School; JAMES M. HOPPIN, Professor of the History of Art; JOHN H. NIEMEYER, Professor of Drawing. Other instructors are, FREDERICK R. HONEY, in Geometry and Perspective; JOHN P. C. FOSTER, M.D., in Anatomy; HARRISON W. LINDSLEY, in Architecture.

The School has for its end the cultivation and promotion of the Arts of Design, viz: PAINTING, SCULPTURE, and ARCHITECTURE, through practice and criticism. The aim is—

1st. To provide thorough technical instruction in the Arts of Painting, Sculpture, and Architecture.

2d. To furnish an acquaintance with all branches of learning relating to the History, Theory, and Practice of Art.

The courses of instruction provided under these heads—of Practice and Criticism—may be regarded as distinct, or correlative, embracing that technical and theoretical knowledge of art which is no less desirable for the critic than for the artist.

THE COURSE OF INSTRUCTION, covering three years, is arranged as follows:

I. DEPARTMENT OF DRAWING AND PAINTING:

First Year:

DRAWING—from the flat, from the antique, from the living model.

PERSPECTIVE—projection drawing ; linear perspective.

ANATOMY—the skeleton ; articulations ; muscular system.

LECTURES—the elements of form ; principles and means of art.

Second Year:

DRAWING—technical practice ; studies from the living model.

PERSPECTIVE—shadows and reflections ; applications and examples.

ANATOMY—the anatomy of external forms ; proportions ; equipoise and motion.

PAINTING—technical discipline ; studies from casts and still-life.

LECTURES—on color, chiaroscuro, and composition.

Third Year:

PAINTING—technical practice ; studies from the living model.

COMPOSITION—studies in color and chiaroscuro ; design.

LECTURES—on the history, theory, and practice of art.

In the departments of Drawing and Painting, the practice of the studio is based upon the study of the human form.

The practice in drawing is supplemented by lectures on Form and Proportion, and that in painting by lectures on Color, Chiaroscuro, and Composition.

Drawing is continued, without interruption, through the first half of the course, or until the student evinces that proficiency which will warrant advancement. Painting is continued through the remainder of the course. Students will be encouraged to remain in the School and pursue advanced studies after the three years' course is completed.

In PERSPECTIVE, instruction is given in the form of lectures ; students will be required to work out the examples, or problems, and submit them for examination at the next meeting of the class. The subject has two divisions : the first is devoted to projection drawing and linear perspective ; the second to shadows and reflections, with applications and problems. At the close of the course an examination is held, and the standing of the student determined.

In ANATOMY, instruction is likewise given in the form of lectures. This subject has also two divisions : the first is

devoted to the bones and articulations of the skeleton, and the muscular system; the second to the anatomy of external forms, proportions, equipoise, and motion. Students are required to draw, in detail, the parts under discussion by the lecturer, and submit the same, for examination, at the next meeting of the class. At the close of the course the relative standing of the pupils is determined by examination.

AN ART OPTIONAL, for undergraduate Academical students of the Senior class, is continued from January 1 to June 1, consisting of four exercises of two and a half hours each, per week, in Drawing, with a weekly lecture on the History of Art.

II. DEPARTMENT OF SCULPTURE:

First Division:

MODELING—from casts of heads, and fragments of antique statues.

ANATOMY—skeleton; articulations; muscular system.

LECTURES—on form; principles of proportion.

Second Division:

MODELING—from the living model.

ANATOMY—external forms; equipoise and motion.

LECTURES—history of Greek Sculpture.

III. DEPARTMENT OF ARCHITECTURE:

First Division:

DRAWING—from the flat, from casts of Architectural ornaments, India-ink and water-color drawing.

MATHEMATICS*—plane descriptive geometry; isometric projection; linear perspective.

ARCHITECTURE—the five orders; studies of classical details; projects—doors, windows, porticos, etc.

* Students having the requisite knowledge of mathematical subjects may omit them, but will be required to pass examinations in the subjects specified above.

Second Division:

DRAWING—casts of architectural ornament ; water colors.

MATHEMATICS—descriptive geometry, including warped surfaces and stone-cutting ; resistance of materials.

ARCHITECTURE—history of architecture ; the various styles ; studies of details in various styles ; projects—dwelling-houses, stores, public-buildings, etc.

PROJECTS will be given out once a month (or once in two months), and the finished drawings will be placed on exhibition for comparison at the end of the year. Examinations will be held, and, at the close of the course, a programme will be given for a final project and thesis.

COURSES OF LECTURES are provided in each department of instruction, in addition to the technical discipline. These lectures, on the History and Philosophy of Art, and kindred subjects, are illustrated with photographs, thrown upon a screen by the calcium light. The attendance of the students on all the lectures, with the exception of public lectures, is obligatory.

AN EXHIBITION of the work of students is opened June 1st, and continues through the summer vacation.

PRIZES may be competed for, both in Drawing and Painting, at the close of the course ; the necessary qualification includes, in drawing, an approved knowledge of perspective ; and in painting, a requisite acquaintance with anatomy—as provided for by the instruction given in these branches.

DIPLOMAS are only awarded those who remain through the full course, or pass the requisite examinations.

THE CHARGE FOR TUITION is \$36.00 for three months, *in advance* ; and no student will be admitted for a shorter period. Undergraduate students, in any department of the College, are charged one-half the usual rate of tuition. Art students are admitted *free* to all the lectures delivered in the school, whether public lectures or those in regular course ; to the collections at all times ; and are entitled to such privileges, under the usual restrictions, as are granted to students in the other departments of the College.

The School is open to both sexes, but no student will be admitted under fifteen years of age.

The ART LIBRARY is open at specified hours for the use of students.

The COLLECTIONS embrace the "Jarves Gallery of Italian Art," numbering one hundred and twenty paintings, dating from the 11th to the 17th centuries; the "Trumbull Gallery" of original portraits and other works, by John Trumbull, numbering fifty-four pictures; a collection of portraits and works of contemporaneous art, numbering about one hundred pictures; together with about one hundred and fifty casts and marbles, the former from many of the best productions of ancient art. The Collections are open daily for the use of students, and to the public, during the winter, from 1 to 5 P. M.; and during the summer, from 9 A. M. to 6 P. M. The proceeds of the exhibitions are applied to the incidental expenses of the School.

"Students' Season Tickets," at fifty cents each, admitting the holders to the Exhibitions throughout the year, are furnished to students of all other departments of the College.

This department is open to all who desire to avail themselves of its instructions, without restriction, save as to age and general good character. It aims to embrace a wide field of usefulness in connection with the knowledge and promotion of art, and to offer every facility to the student, both in the way of criticism and technical discipline.

The term begins October 1st and ends on the 31st of May.

All applications for admission to the School should be made through the Director. It is particularly desirable that these applications be made before October 1st.

DEPARTMENT OF THEOLOGY

THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Professor of Hebrew Literature and Biblical Theology, a Professor of Systematic Theology, a Professor of Homiletics and the Pastoral Charge, a Professor of Ecclesiastical History, and a Professor of Sacred Literature.

THE CONDITIONS OF ADMISSION are membership in some evangelical church, or other satisfactory evidence of Christian character, and a liberal education at some College, or, in exceptional cases, an equivalent preparation for theological studies. Students of every Christian denomination, in case they are possessed of these qualifications, are admitted.

It is expected that every student will be promptly on the ground at the beginning of the session. Rooms are assigned in the order of application, but no room will be reserved for any applicant who neglects to appear, beyond one week after the opening of the term.

THE REGULAR COURSE OF INSTRUCTION occupies three years, and is arranged in the following order :

JUNIOR YEAR :

Professor DAY will lecture on the Encyclopedia and Literature of Theology, and give instruction in Hebrew Grammar and Philology. Portions of the historical books of the Old Testament in the original will be carefully read and analyzed, and critical and exegetical dissertations presented by the class on points of special difficulty or importance.

Professor DWIGHT will give instruction in the exegetical study of the Greek New Testament. The course includes, in addition to the regular exegetical exercises, the critical investigation of the Greek text and the study of the subjects connected with the Introduction to the New Testament. Dissertations of a critical and exegetical character will, also, be prepared by the students and discussed in the presence of the class.

Professor HARRIS will lecture on Mental Philosophy with special reference to the study of Theology ; also on Natural Theology, the Evidences of Christianity, and the Inspiration of the Scriptures ; also, as incidental to these topics, on the various forms of Skepticism.

MIDDLE YEAR :

Professor HARRIS will lecture on Systematic Theology. This course will include a full and systematic investigation of the doctrines of Christianity, and of existing questions and controversies in respect to them. The lectures are accompanied by examinations and free discussions.

Professor FISHER will lecture on General Church History, including the following topics: an historical survey of the Old or Preparatory dispensation in its relation to Christianity; the establishment and spread of Christianity (including Missions and persecutions); Ecclesiastical Polity (including the rise and rule of the Papacy, and the Reformation); and the History of Christian Life and Worship.

Professor DAY will give instruction in Biblical Theology, with special reference to the progressive stages of Divine revelation, and the doctrinal results of the modern critical study of the Bible. He will also lecture on portions of the Hebrew Scriptures, especially the poetical and prophetical books, and will give instruction in Chaldee to such members of the class as may desire it.

Professor HARRIS will lecture on Church Polity.

Professor DWIGHT will continue to give instruction by lectures and recitations, in the exegetical study of the New Testament, especially the Pauline Epistles.

SENIOR YEAR :

Professor BARBOUR will lecture on Sacred Rhetoric and Homiletics, and also on Pastoral Theology, including the office, qualifications, pastoral duties, and special work of the ministry; he will also take charge of the practical exercises in Preaching, and in the criticism of the style and delivery of Sermons.

Professor FISHER will lecture upon the history of Christian Doctrine and on Symbolical Theology, and students will be aided in pursuing historical investigations for themselves.

Professor DWIGHT will lecture on some topics of special interest connected with the different books of the New Testament.

Professor DAY will lecture on portions of the Old Testament, and will read, with those who wish to prosecute the study of Syriac, the Peshito version of the New Testament.

GRADUATE CLASS—FOURTH YEAR :

Into this class, which was established in 1879, only those who have completed a three years' course in this or some other Theological School, can be admitted. It is designed to meet the wants of those who desire to pursue an advanced course of general theological study, or to apply themselves to special subjects of reading or investigation in any of the departments of theology, for one year or more, under the advice and direction of the Professors and with the helps furnished by the Seminary and University libraries.

For the present year, the following are the subjects, selected after conference between them and the Professors, to which the whole class or portions of it propose to attend. Individual members of the class pursue other branches of theological study by private arrangement with the Professors.

I. PRESIDENT PORTER: Select Topics in Philosophy and Philosophical Theology.

II. PROFESSOR DAY: Lectures on misunderstood and misused passages of the Scriptures; Delitzsch's Hebrew New Testament compared with the Revised English Version; Shakespeare's Othello in Hebrew.

III. PROFESSOR HARRIS: Examination of Dorner's "System of Christian Doctrine."

IV. PROFESSOR FISHER will read Irenæus with the class, with special attention to his expositions of Christian Doctrine and Early Traditions.

V. PROFESSOR DWIGHT: The Origin of the Synoptical Gospels: Lectures on the Revised Version of the New Testament.

VI. PROFESSOR BARBOUR: Examination of Sermons on which criticism or suggestions may be desired.

Optional Studies in either Year:

Professor DAY will read, free of charge, with those students who desire to become familiar with the theological literature of Germany and have made sufficient progress in the language, some standard work in German on Christian doctrine, with critical remarks, and reference to the ablest works on special topics. The grammatical study of the language may be pursued with the classes in the Sheffield Scientific School.

Professor WHITNEY will give instruction to those who desire it in Sanskrit.

The following courses of lectures in the Academical Department may be attended, free of charge, provided that they do not interfere with the regular studies of the Seminary; on *Intellectual and Moral Philosophy*, by President PORTER and Professor LADD; on *Evolution and Cosmogony*, by Professor DANA; on *History*, by Professor WHEELER; on *Political and Social Science*, by Professor SUMNER. Students may also be admitted to the various courses of lectures in the Sheffield Scientific School. Those who intend to become Foreign Missionaries have the privilege of attending gratuitously the lectures in the Medical Department.

EXERCISES IN PUBLIC SPEAKING—There will be an exercise for all the classes, in the presence of the Faculty, once in two weeks, in the reading of the Scriptures and hymns, and in the delivery of sermons, or parts of sermons, or addresses. Every alternate week there will be a conference, designed to cultivate the power of *extemporaneous speaking*, in which the students will be called on to present their views on some subject selected by the Faculty. Weekly debates are also held by the students, in societies of their own.

ELOCUTION:

A thorough course of instruction in Elocution will be given to the students, which will be progressive in its character and will extend through the three years of study for each class.

To the Junior Class a full course of lectures will be given on the principles of logical and emotional analysis and expression, and on oratorical action and vocal culture. This will be followed by individual practice in speaking and reading.

In the Middle year will be added extended and frequent special practice in Scripture and Hymn reading and the reading and delivery of sermons.

To the Senior Class the instruction will be given mainly in private lessons and will be designed to meet, so far as may be possible, the special needs of each individual in his preparation for the duties of the preacher's office.

LICENSE TO PREACH—The regular time for applying for a license is at the close of the second year's study, before which time members of the Department are not allowed to preach.

PUBLIC WORSHIP—Prayers are attended every morning in the MARQUAND Chapel, with reading of the Scriptures and singing. It is optional with the student whether to attend the College Church, or one of the City Churches; but whatever may be his decision, it is hoped that he will actively engage, so far as may not be inconsistent with the prosecution of his studies, in some form of City Mission, Sabbath School, or other benevolent labor, for which constant opportunities are offered.

LIBRARIES—The Reference Library of the School, established through the liberality of Mr. Henry Trowbridge of New Haven, and containing a careful selection of nearly three thousand volumes in various languages, is placed in the Library building recently erected, between the Marquand Chapel and the West Divinity Hall. It is designed to furnish the students with the standard and most recent books in every branch of theological literature and those most frequently called for in the pursuit of their studies. It is open several hours daily, for consultation, and thus takes the place, for each student, of a well selected private library.

The valuable Library of Church Music, belonging to the late Dr. Lowell Mason, has been recently given to the Department by his family. This Library, which is placed in the West Divinity Hall, and is one of the largest of the kind in the country, will be open for the use of students.

The College Library, to which the students have access without charge, contains over 100,000 volumes, and is open five hours on every secular day for consultation and for the drawing of books.

The Library of the College literary societies, containing about 25,000 volumes in general literature, is accessible to theological students.

PHYSICAL EXERCISE—The College Gymnasium is open to the students of this department at a small charge. The harbor of New Haven affords excellent facilities for boating, to those inclined to this mode of exercise.

THE ROOMS in the two DIVINITY HALLS are provided with carpets, beds, and every necessary article of furniture (except bedding). They are assigned to new students in the order of application. A few rooms have two bedrooms, attached to them, but, in general, provision is made for each student to room alone. The buildings are warmed throughout by steam, and lighted by gas.

EXPENSES AND PECUNIARY AID—Students have only to make pecuniary provision for about eight months of study annually. In the remaining four months of vacation, from May to September, they are at liberty to engage in Home Missionary or other labor, with remuneration for their services.

The expenses for the annual session are \$2.50 to \$4 a week for board; \$25 to \$30 for fuel and lights; and \$10 a year for care of room and other incidental expenses. There is no charge for instruction, room rent, or use of Libraries.

Students in the Junior, Middle, and Senior Classes, whose circumstances require it, will receive \$100 a year from the income of Scholarships and other funds belonging to the Department. Additional aid, the amount of which has generally been from \$75 to \$100 annually, is afforded by the American College and Education Society to its beneficiaries. In special cases additional aid toward the expense of board will be given. These means of assistance fully cover the expenses mentioned above.

Members of the Graduate Class will be furnished with rooms free of rent, and no charge will be made for instruction or the use of libraries.

The Scholarships belonging to the Department bear respectively the names of James Hillhouse, William Leffingwell, George E. Dunham, Normand Smith, E. E. Salisbury, Thomas R. Trowbridge, Charles Atwater, Richard Borden, Samuel Holmes, Charles Nichols, Noah Porter, John DeForest, J. R. Beadle, David Root, Mary Goodman, Orin Fowler, Edward Bull, William S. Eakin, and Cassius Welles.

A Graduate Scholarship has been established in this Department, as a memorial of the late Mrs. Aurelia D. Hooker, of New Haven. It was offered for the fourth time to the class entering in September, 1882, and will be assigned at graduation to that member of the class who shall be judged by the Faculty to have made such proficiency in his theological studies as best to qualify him for the advantages afforded by this foundation for the further prosecution of the same. The person to whom the scholarship is given receives the annual income (\$700) for two years after graduation, and is expected to pursue a course of theological study under the direction of the Faculty, either as a resident at the Seminary, or in case he may prefer to do so, in Europe and Palestine.

After the close of the second year in May, students have frequent opportunities to receive remuneration for preaching in neighboring churches.

In general it may be said, that sufficient aid will be provided for every young man who gives promise of usefulness in the ministry, to enable him, in connection with his own efforts, to complete a course of theological study.

COMMENCEMENT OF THE TERM, VACATION, ETC.—The session for 1882-83 began on Thursday, Sept. 14, and will continue till the third Thursday in May, when the public anniversary is held. The annual examination of the classes, and the meeting of the Alumni are held in the same week. The next annual term will begin on Thursday, September 13, 1883.

By thus throwing all the vacations into one, the most favorable season of the year is secured for study, while the opportunity is given, in the four months' vacation, to engage in some form of benevolent labor, in connection with the mission efforts of the churches, or in the service of one of the benevolent societies, by which the practical experience required of the pastor, as well as pecuniary compensation, may be obtained. Should any students prefer to spend the vacation in theological reading, the Professors will counsel them in the choice of books.

THE DEGREE of Bachelor of Divinity is conferred on all members of the Department who at the end of the Senior year pass the prescribed examination, and present an approved thesis on some topic in theology.

DEPARTMENT OF MEDICINE

THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Professor of Chemistry, a Professor of Anatomy, a Professor of Physiology, a Professor of Materia Medica and Therapeutics, a Professor of Pathology, a Professor of the Principles and Practice of Medicine, a Professor of Surgery, a Professor of Obstetrics and the Diseases of Women and Children, a Demonstrator of Anatomy, a Demonstrator of Osteology, a Lecturer on Normal Histology, a Lecturer on Chemistry, a Lecturer on Dermatology, a Lecturer on Genito-Urinary and Venereal Diseases, a Lecturer on Diseases of the Throat, a Lecturer on Diseases of the Nervous System, a Lecturer on Insanity, and a Lecturer on Ophthalmology.

The system of instruction is arranged in a graded course, extending over three full years.

The College year extends from the first Thursday in October to Commencement, with a vacation of three weeks at Christmas, and a recess in the spring, usually of one week.

The first term begins with the first Thursday of October, and continues eleven weeks. The second term begins three weeks after the close of the first, and continues twelve weeks. The third term is eleven weeks in length, ending with Commencement.

Throughout the year instruction is given by lectures, and recitations, combined with practical work in the Anatomical, Chemical, Physiological, Pathological, and Histological Laboratories.

TERMS OF ADMISSION

All candidates for admission, excepting those who have passed an examination for admission to the undergraduate Academical Department of Yale College or some similar institution, must present a degree in Letters or Science from a recognized college or scientific school, or pass an examination in the following subjects :

1. MATHEMATICS: Algebra to Quadratics; Euclid, two books; Metric System of Weights and Measures.

2. PHYSICS: Balfour Stewart's Elementary Physics, or some equivalent work.

These examinations will be conducted in writing. Grammar, spelling, and construction will be considered in judging of the papers. Copies of the questions of previous examinations will be furnished on application to the Dean.

These examinations will be held at the Medical College at 9 A. M., on the Wednesday preceding the opening of the College year, and on the Friday following its close.

Similar examinations will be held on the Friday after the Commencement in Chicago, Cincinnati, and San Francisco. Particulars of the time and place will be announced in the local papers. A fee of \$5 will be charged for admission to these examinations.

Students applying for admission who are not fully prepared in all the above mentioned studies, will be admitted on condition that the deficiency be made up within a reasonable time.

Students who have studied elsewhere, either in any recognized Medical School, or under private preceptors of good standing, may present themselves for examination three weeks before Commencement, and enter the examinations of the first one or two years as they see fit. The results of these examinations will determine the class to which they belong.

Applicants for advanced standing who present themselves at other times of the year, will be assigned by the Dean to such class as they may from their representations seem to be fitted for; but at the next annual examination, they will be examined as if appearing then for the first time.

COURSE OF INSTRUCTION

JUNIOR YEAR:

General Chemistry: Lectures and recitations four times a week, Prof. Silliman and Dr. Smith. Chemical Laboratory, four times a week, Prof. Silliman and Dr. Smith.

Anatomy: Lectures and recitations five times a week, Prof. Sanford and Assistant. Dissections four times a week from Nov. 1 to April 1, Dr. Hotchkiss. Laboratory work in Osteology, etc., once a week, Dr. Williston.

Normal Histology: Laboratory work once a week, Dr. Prudden.

Physiology: Recitations, twice a week, Prof. Thacher.

MIDDLE YEAR :

Anatomy : Lectures and recitations, five times a week, Prof. Sanford and Assistant. Dissections, four times a week from Nov. 1 to April 1, Dr. Hotchkiss.

Materia Medica and Therapeutics : Lectures and recitations, three times a week, Prof. Lindsley.

Physiology : Lectures and recitations, twice a week, Prof. Thacher.

Pathology : Lectures and recitations, twice a week, Prof. White. Laboratory work, once a week, Prof. White.

Medicine : Lectures on General Medicine, three times a week. Medical Clinic, once a week. Clinic for Diseases of the Throat, once a week, Dr. Chapman.

Surgery : Lectures on General Surgery, three times a week, Prof. Carmalt. Surgical Clinic, once a week, Prof. Carmalt.

Obstetrics and Diseases of Children : Lectures and recitations twice a week, Prof. Beckwith. Clinic for Diseases of Women once a week, Prof. Beckwith.

Dispensary Clinics, daily. Hospital Clinics, weekly. Operations at the Hospital.

SENIOR YEAR :

Pathology : Lectures and recitations, twice a week, Prof. White. Laboratory work, once a week, Prof. White.

Medicine : Lectures on General Medicine, three times a week. Medical Clinic, once a week. Lectures on Diseases of the Throat, once a week, Dr. Chapman. Clinic for Diseases of the Throat, once a week, Dr. Chapman. Lectures on Diseases of the Nervous System, once a week, Dr. Ayres. Lectures on Insanity, once a week for nine weeks, Dr. Stearns.

Surgery : Lectures on General Surgery, three times a week, Prof. Carmalt. Surgical Clinic, once a week, Prof. Carmalt. Lectures on Genito-Urinary and Venereal Diseases, once a week, Dr. Russell. Lectures on Dermatology, once a week, Dr. Fleischner. Lectures on Ophthalmology, once a week, Dr. St. John.

Obstetrics and Diseases of Children : Lectures and recitations twice a week, Prof. Beckwith. Clinic for Diseases of Women, once a week, Dr. Beckwith.

Dispensary Clinics, daily. Hospital Clinics, weekly. Operations at the Hospital.

CHEMISTRY—The instruction in Chemistry will be by lectures and recitations, and by laboratory work. The lectures will be fully illustrated by experiments. Medical Chemistry, Toxicology, and Qualitative Analysis will be taught at the desk and by recitations, with occasional didactic lectures.

Students of the third year and special students prepared to undertake original researches in Chemistry, are encouraged to do so, and are supplied with the means for investigation.

ANATOMY will be taught by recitations and lectures fully illustrated, and by practical work.

The spacious and well-appointed dissecting rooms, under the personal direction of the Demonstrator, are supplied with anatomical material, and are open to students of all classes from November until April.

In addition to the work in the dissecting room, a practical course on the bones and ligaments is conducted under the supervision of DR. WILLISTON. In this the student is furnished with specimens for study at the desk, and has thus an opportunity to become very familiar with this part of Anatomy. In connection with this course, the student will go through with the dissection of the brain, eye, and such other things as are not usually studied in the dissecting room.

PRACTICAL NORMAL HISTOLOGY is taught in the laboratory by Dr. T. MITCHELL PRUDDEN. Each student is furnished with a microscope and the requisite accessories, and is taught how to prepare and study the tissues and organs, of which he makes sketches and a typical collection of his own for future reference.

PATHOLOGY is taught by lectures and recitations, and by practical work with the microscope in Pathological Histology. In this course students are taught to prepare and preserve microscopic specimens of morbid tissues.

Pathological Anatomy is illustrated by a large collection of specimens and drawings, with which the Museum is supplied, supplemented by fresh pathological specimens. Students are also expected to attend all the *Autopsies* made at the *Morgue of the State Hospital*. This large and convenient Morgue was constructed with special reference to rendering autopsies available for the instruction of students.

PHYSIOLOGY will be taught in lectures and colloquial recitations freely illustrated by experiments. Able and industrious students, who wish to pursue the subject more extensively and thoroughly, will be received into the physiological laboratory.

MATERIA MEDICA AND THERAPEUTICS—Recitations from text books are the chief means of instruction in Materia Medica. But the botany, physical character of drugs, and chemical constitution, receive much less attention than their physiological actions and therapeutic uses. The lectures are devoted more particularly to the elucidation of the latter subjects.

PRACTICE OF MEDICINE—Three didactic lectures each week and one clinical lecture are given. At each clinical lecture the students in turn examine each patient before the class and the professor of the department, presenting his diagnostic points for criticism.

SURGERY—The instruction in *Surgery* consists of three didactic lectures and one clinic weekly. Care is taken to individualize the instruction to the requirements of each student, and to familiarize all with the actual appearances of diseases as shown in the wards of the General Hospital, as also with the most modern methods of examination and diagnosis.

The Senior Class are afforded opportunities for practical operations in Surgery upon the cadaver.

Special courses, illustrated clinically, are given on Genito-Urinary and Venereal diseases, by Dr. Russell, and by Dr. Fleischer in Dermatology. Dr. St. John lectures once a week on Ophthalmology.

OBSTETRICS AND DISEASES OF WOMEN AND CHILDREN are taught by lectures and recitations, with demonstrations of the operations in midwifery. The Senior Class receive clinical instruction in obstetrics at the bedside.

MENTAL DISEASE—A course of lectures on this subject is given by HENRY P. STEARNS, M.D., Superintendent of the Hartford Retreat for the Insane.

MEDICAL JURISPRUDENCE—Several of the professors give lectures on Medical Jurisprudence as it is related to their respective departments of instruction.

THE STATE HOSPITAL, containing over a hundred beds, constantly affords ample material for the illustration of disease, and furnishes frequent opportunities for the performance of the minor and capital surgical operations.

CLINICS

A CLINIC FOR DISEASES OF THE THROAT is held at the College at 3 P. M. every Monday; a SURGICAL CLINIC at 3 P. M. every Tuesday; a GYNÆCOLOGICAL CLINIC at 3 P. M. every Thursday; and a MEDICAL CLINIC at 3 P. M. every Friday.

CLINICS are also held at the State Hospital, and the students are invited to see the patients in the wards. Surgical opera-

tions are conducted, when practicable, in the amphitheatre, where students have opportunity to witness important operations.

THE NEW HAVEN DISPENSARY, located on the College grounds, is visited by several thousand patients annually. Two of the attending physicians are present daily, giving attention to diseases in their own specialties. Students in the Middle and Senior classes receive free tickets to the Dispensary and are instructed in the diagnosis and treatment of special diseases.

REQUIREMENTS FOR A DEGREE

Every candidate must be twenty-one years of age, and of good moral character; must have spent at least one continuous year at this school and have passed the required examinations in all the studies of the three years' course.

No theses are required for graduation; but theses or monographs embodying results of original research, and of marked excellence, will be honorably mentioned, and may be commended for publication in the transactions of the Connecticut Medical Society or elsewhere.

PRIZES

THE KEESE PRIZE

The income of "The Keese Prize Fund," amounting to about \$120 annually, is awarded by the Faculty to that member of the graduating class who presents the best thesis. If among the theses offered, none are of sufficient merit, the prize may be withheld for that year. The theses must be presented to the Dean on the second Saturday before Commencement.

DR. H. P. STEARNS' PRIZES

Dr. Stearns offers two special prizes: one of thirty dollars and one of twenty dollars, to be awarded to the two students of the next graduating class, who shall respectively have passed the best and the next best examinations on all branches of study.

EXAMINATIONS

Examinations are held at the close of each year on the studies of that year. The examinations at the end of the first year are upon Chemistry, Histology, and Elementary Physiology.

Those at the end of the second year are upon advanced Physiology, Anatomy, Materia Medica and Therapeutics.

Those at the end of the third year are upon Pathology, Surgery, Medicine, and Obstetrics.

Before taking his degree a student must have passed all the examinations of the three years satisfactorily to the board of examiners.*

FEES AND EXPENSES

Matriculation Fee (paid upon entering the school),	\$5.00
Tuition Fee, for one year,	125.00
Graduation Fee,	30.00

Of the tuition fee for the year, \$45 is due at the beginning of the first term, \$45 at the beginning of the second term, and \$35 at the beginning of the third term. Students who have attended and paid for two full years will be entitled to attend the third year at three-fifths the above rates. Fees are to be paid to the Treasurer of the University, except the graduation fee, which is paid to the Dean.

There are no extra expenses of any kind, except the actual cost of breakage in the Chemical Laboratory, to be paid to the Professor of Chemistry, and \$5 a part for anatomical material, to be paid to the Demonstrator.

BOND—Students who do not pay in advance are required to give a bond to the Treasurer of the College for three hundred dollars, executed by a satisfactory bondsman; a blank for this bond will be furnished on application to the Treasurer. Those who deposit such bond will receive term bills, with interest added, shortly before the end of each term, to be paid on or before the beginning of the next succeeding term, and students who deposit bonds must pay all arrearages before they can receive back their bonds from the Treasurer. No degree can be conferred until all term bills are discharged.

For further information, address Professor C. A. LINDSLEY, DEAN.

* The Board of Examiners consists of the Faculty, and an equal number of the members of the Connecticut Medical Society appointed by the President and Fellows of the same.

DEPARTMENT OF LAW

THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Professor of Mercantile Law and Evidence, a Professor of Elementary and Criminal Law and the Law of Real Property, a Professor of Constitutional Law, Contracts, and Wills, a Professor of the Law of Torts and Equity Jurisprudence, a Professor of Pleading, and a Professor of International Law; Lectures are also delivered by Professor WAYLAND on English Constitutional Law and History, Professor ROBINSON on Forensic Oratory, the Origin of Law, and the Administration of Estates, MARK BAILEY, M.A., on Forensic Elocution, Professor BALDWIN on Roman Law, Professor PLATT on General Jurisprudence, and FREDERICK H. BETTS, M.A., on Patent Law.

TERMS AND VACATIONS—There are three terms in each year: the Fall term, beginning on the last Thursday of September and continuing to the Thursday before Christmas; the Winter Term, beginning in January, after a vacation of three weeks, and closing the last Thursday of March; and the Spring Term, beginning on the second Thursday of April and continuing until Commencement. (See Calendar, p. 4.)

COURSE OF INSTRUCTION

UNDERGRADUATE COURSE

The Undergraduate Course occupies two years, the students being divided into two classes, for each of which a special course of study is provided. The daily exercises consist of lectures and recitations from standard text-books, the latter being accompanied by oral explanations. The students are frequently referred to the leading cases on the subject under consideration, and are required to be prepared for questions upon them at the next exercise; they are also encouraged to put questions freely to the instructor at all recitations. Moot Courts are regularly held, at which one of the professors acts

as judge; the students acting as counsel, in the argument of cases, are required to draw the necessary pleadings, according to the common law or equity forms, as the case may be.

Members of either Class can attend the lectures of Professors to undergraduates in other Departments of the College, whenever it is compatible with their other engagements; and, with a few exceptions only, without charge. They can also attend one or more of the special courses of graduate instruction in the Department of Philosophy and the Arts, or the lectures on Medical Jurisprudence, Anatomy, Insanity, etc., in the Department of Medicine, on payment of a moderate fee.

The regular course of study is as follows :

JUNIOR YEAR :

FALL TERM—Recitations : Elementary Law, Prof. Robinson ; Contracts, Prof. Baldwin ; General Jurisprudence, Prof. Platt ; Pleading, Prof. Townsend ; International Law, Prof. Woolsey. Lectures : Nature and History of American Law, and Wills, Prof. Baldwin.

WINTER TERM—Recitations : Elementary Law and Real Property, Prof. Robinson ; Contracts, Profs. Baldwin and Townsend ; Evidence, Prof. Wayland ; Torts, Prof. Platt. Lectures : Wills, Prof. Baldwin ; Code Pleading, Prof. Townsend.

SPRING TERM—Recitations : Contracts, Professors Baldwin and Townsend ; Torts, Prof. Platt ; Mercantile Law, and Evidence, Prof. Wayland ; Real Property, Prof. Robinson. Lectures : English Constitutional Law, Prof. Wayland ; Forensic Elocution, Mr. Bailey.

SENIOR YEAR :

FALL TERM—Recitations : Real Property and Corporations, Prof. Robinson ; Equity, Prof. Platt ; Contracts, Professors Baldwin and Townsend. Lectures : International Law, Prof. Woolsey ; American Constitutional Law, Prof. Baldwin.

WINTER TERM—Recitations : Contracts, Prof. Baldwin ; Corporations and Real Property, Prof. Robinson ; Equity, Prof. Platt. Lectures : Evidence, Prof. Phelps ; American Constitutional Law, Prof. Baldwin.

SPRING TERM—Recitations : Criminal Law, and Estates, Prof. Robinson ; Contracts, Prof. Townsend. Lectures : Evidence, Prof. Phelps ; Roman Law, and Practice, Prof. Baldwin ; Patents, Mr. Betts.

Any one or more of these studies may be pursued by those who do not intend to engage in the practice of the Law, but wish to obtain a knowledge of its principles to complete their education, or with reference to mercantile pursuits.

The principal text-books used are, in Junior year, Robinson's Notes on Elementary Law, Blackstone's Commentaries, Holland on Jurisprudence, Cooley on Torts, Parsons on Contracts, Heard on Pleading, Woolsey's Introduction to the Study of International Law, Greenleaf on Evidence, vol. i, and Washburn on Real Property; in Senior year, Parsons on Contracts, Story on Equity Jurisprudence, Potter on Private Corporations, Washburn on Real Property, Greenleaf on Evidence, vol. ii, and Bishop on Criminal Law and Criminal Procedure.

Students are also recommended to read during their course the following works, in connection with their regular exercises: Kent's Commentaries, Smith's Leading Cases, Hadley's Roman Law, and Cooley on Constitutional Limitations.

At the close of the Spring Term, each Class is subjected to a written examination on the studies of the preceding year.

TERMS OF ADMISSION—Applicants for admission to the Junior Class must be at least eighteen years of age, and must produce certificates of good moral character. No student who has not taken a degree from some collegiate institution, will be admitted as a candidate for a degree, until he has passed a satisfactory examination on the outlines of the History of England (Green's History of the English People is recommended) and of the United States, and the text of the Constitution of the United States. This examination will be conducted in writing, and the style of the composition and orthography in the answers, as written, must be such as to evince a competent knowledge of English Grammar.

Those, however, will be excused from this examination who present a certificate that they have passed a "Regents' Examination for Law Students" conducted under the authority of the Board of Regents of the University of the State of New York.*

* The Regents' Examinations are held at New York City and at the various Academies in the State of New York, in the Fall, Winter, and early Summer of each year; also at New York City in April; also at Albany at the office of the Regents, at any time, at the convenience of candidates. The exact dates can be learned by writing to the Secretary of the Board of Regents, Albany, N. Y.; or to Professor Wayland, New Haven, Conn.

The subjects of examination are Arithmetic, English Grammar, Orthography, American History, English History, and English Composition. By the rules of admission to the bar of New York, all applicants, not college graduates, must have passed a Regents' Examination before or within three months after beginning their legal studies.

To entitle a person to admission to advanced standing as a member of the Senior Class, he must be at least nineteen years of age; must, if a college graduate, have studied law under a competent instructor, or at the law school of some college or university, for at least one year; must, if not a college graduate, have studied law under a competent instructor for at least two years, or at a law school for at least one year; and must pass such examination as is required for those entering the Senior Class in the regular course, or produce a "Law Student's Certificate" from the Regents of the University of the State of New York. Attorneys at law of any State are entitled to admission to the Senior Class without examination, on the exhibition of their certificates of admission to the bar.

Whilst time spent at another Law School will be reckoned, to the extent above mentioned, as equivalent to an equal length of time in this school, on the part of those applying for admission to advanced standing, it will be observed that the same examination is required in such cases as in all others. But students who have spent a year in another Law School may, if they prefer, upon entering this school, be examined in such studies only as they have pursued in the other, their examination in the other required branches being deferred to the close of the year.

Applicants for admission to advanced standing may either attend the regular annual Junior examination, which begins the second week before Commencement, or pass a special examination at the beginning of the Fall Term, at which it will be sufficient if they are prepared to be questioned on Parsons on Contracts (excepting only from vol. i, pages 9 to 40, 217 to 233, and 492 to 610; and from vol. ii, pages 1 to 32, 60 to 85, 257 to 614, and 787 to 801, and from vol. iii, pages 102 to 153, 234 to 285, 350 to 423, and 525 to 557); Blackstone's Commentaries (except Book 4), Robinson's Notes on Elementary Law, Heard on Pleading, Townsend on Code Pleading, Greenleaf on Evidence, vol. i, Hawkins on Wills, Woolsey's Introduction to the Study of International Law, Cooley on Torts, Washburn on Real Property, vol. i, and Holland on Jurisprudence.

Special students, not candidates for a degree, are admitted to any of the exercises of the school without examination.

GRADUATE COURSE

The Graduate Course occupies two years, and is open to graduates from any Law School, having the degree of LL.B., under the conditions specified on p. 100. The vacations are the same as those in the Undergraduate Course in this department. The degree of Master of Law (M.L.) will be conferred upon examination at the close of the first year, and that of Doctor of Civil Law (D.C.L.) at the end of the second year. The curriculum for the first year is particularly designed to supplement that of the Undergraduate Course by affording further instruction in the branches there pursued; that of the second year is designed to meet the wants of those who aim at acquiring a thorough acquaintance with Jurisprudence and its affiliated studies, as a means of completing their education, without confining themselves to such topics as are of the first necessity to the practicing lawyer. All students, whose means and time allow them to do so, are earnestly recommended to avail themselves of the advantages of the first year of the Graduate Course.

The arrangement of the Course is as follows:

JUNIOR YEAR:

Admiralty Law, and Patents, Prof. Robinson; Practice in the U. S. Courts, Railroad Law, and American Constitutional History, Prof. Baldwin; Municipal Corporations, and Practice in States having a Code of Civil Procedure, Prof. Platt; Political History and Science, Prof. Sumner, or English Constitutional History, Prof. A. M. Wheeler; International Law, Prof. Woolsey.

SENIOR YEAR:

Parliamentary Law, History of the Law of Real Property, and Canon Law, Prof. Robinson; Comparative Jurisprudence, and Conflict of Laws, Prof. Baldwin; General Jurisprudence, Prof. Platt; Roman Law, Mr. A. S. Wheeler; Relations of Physical Geography to Political History, Prof. Brewer; Political and Social Science, Prof. Sumner, or Political Economy, Prof. Farnam.

Among the principal text-books used are Parsons on Shipping and Admiralty, Curtis on Patents, Desty's Federal Procedure, Pierce on American Railroad Law, Austin on Jurisprudence, Dillon on Municipal Corporations, Pomeroy's Remedies and Remedial Rights, the Commentaries of Gaius, Institutes of Justinian, selected titles of the Pandects, the Code Napoléon, Cushing's Parliamentary Law, and Wharton on Private International Law.

There will be regular exercises for those pursuing each year of the course, the preparation for which, with the collateral course of reading prescribed for each, the composition of the graduating thesis, etc., will be such as to occupy the working time of the students through the year.

A knowledge of Latin will be necessary for those pursuing the studies of the last year of the course, but will not be indispensable for candidates for the degree of M.L.

EXAMINATIONS—There will be preliminary examinations of candidates for admission to the Junior Class at the opening of the Fall Term, and at no other time. Candidates for admission to the Senior Class will be examined as above, at the end of the Spring Term, or beginning of the Fall Term.

Seniors will be examined for a degree, only at the close of the Spring Term.

Examinations for degrees in the Graduate Course will be held at the close of the Spring Term.

Every candidate for a degree, both in the Undergraduate and Graduate Courses, must also submit a written thesis on a given legal topic, which must be approved by the Faculty.

LIBRARY—The special Library of the Department, which has a permanent endowment for its support (the English Fund, established by Hon. James E. English, M.A., in 1873), contains over eight thousand volumes, comprising a complete collection of the English, American, Irish, and Canadian Reports of Judicial decisions, and an extensive collection of text-books and works on Jurisprudence and Political History and Philosophy. The consulting room is also supplied with the leading legal periodicals. The Library is open daily, during term time, from 8 A.M. to 12.45 P.M., and from 2 to 5.45 P.M. (with the exception of Saturday afternoon); during vacation it is not open until 9 A.M.

The students can also draw books from the general University libraries, containing over 130,000 volumes.

PRIZES are annually awarded as follows:

THE TOWNSEND PRIZE (established by Hon. James M. Townsend, in 1874), of one hundred dollars, to that member of the Senior Class who shall write and pronounce the best oration or thesis at his graduation, at the public anniversary exercises on the day before Commencement.

THE JEWELL PRIZE (established by Hon. Marshall Jewell, M.A., in 1871), of fifty dollars, to that member of the Senior

Class who receives the highest marks at the final examination of his class, at their graduation.

THE BETTS PRIZE (established by Frederic H. Betts, M.A., in 1875), of fifty dollars, to that member of the Junior Class who receives the highest marks at his annual examination.

BUILDING, AND FACILITIES FOR OBSERVING PRACTICE—The School occupies an entire story of the Court House of New Haven County, having upon the same floor a lecture room accommodating two hundred students, a large library hall, a Moot Court room, an instructor's room, and other apartments furnishing every needed convenience for Law clubs and debating societies.

Two terms of the Supreme Court of Errors of Connecticut, one term of the United States Circuit Court, and two terms of the United States District Court, are held annually in New Haven; and the Superior Court and Court of Common Pleas, the principal *nisi prius* Courts of the State, are also in session almost daily, during each of the Law School Terms.

GYMNASIUM—The College gymnasium is open to members of the Law Department on payment of moderate fees.

DEGREES—In the Undergraduate Course the degree of Bachelor of Laws will be conferred by the Corporation, upon the recommendation of the Faculty of the Department, based on a satisfactory examination and the submission of a satisfactory thesis, on the following persons:

1st. Attorneys at Law, who have been members of the Department for one year after their admission to the Bar.

2d. Any students who have been members of the Department for not less than two years, and who passed satisfactorily the Junior Examination at the end of their first year.

3d. Students who have been admitted to advanced standing as members of the Senior Class, and have remained in that Class for not less than one year.

The examination for the degree is conducted under the supervision of an examining committee, appointed by the Superior Court, and the successful candidates, if twenty-one years of age, may be thereupon admitted to the Connecticut Bar.

Degrees will be granted in cases of students of unusual merit, *cum laude*, *magna cum laude*, or *summa cum laude*, on the recommendation of the Faculty of the Law Department.

In the Graduate Course the degree of Master of Law (M.L.) will be conferred by the Corporation, on the recommendation of the Faculty of the Department, on persons, who, after having taken the degree of Bachelor of Laws, at this or any other Law School, pursue, during at least one year, such a course of advanced studies as the Faculty may direct.

Those who receive this degree can proceed in their studies for another year, with a view to applying for the degree of Doctor of Civil Law (D.C.L.), provided they have been graduated as Bachelors of Arts or Philosophy, or on graduating at this Law School, attained a prescribed standard of scholarship on their examinations both for the degree of LL.B. and M.L.

Neither Degree will be conferred, except upon candidates who pursue their studies at New Haven under the direction of the Faculty, pass with credit a strict final examination, and present a satisfactory thesis.

EXPENSES—The fees for tuition and use of the Library in the Undergraduate Course are \$45 for the Fall Term, \$35 for the Winter Term, and \$35 for the Spring Term, or \$100 for the entire year; and in the Graduate Course, \$50 for the Fall Term, \$40 for the Winter Term, and \$40 for the Spring Term, or \$125 for each year; to be paid to the Treasurer of the College in advance, or secured by a bond satisfactory to him. Where payment is not made in advance, interest will be added. The diploma fee is \$5. The court fees for admission to the Connecticut Bar, if this is desired, are \$8. A further fee of \$5 is chargeable for admission to practice in the United States Courts for the District of Connecticut, if this also is desired. The tuition charges for special students, not candidates for a degree, vary in proportion to the amount of instruction and supervision required, but will never exceed those made in the regular course.

Board and lodgings can be obtained at prices ranging from \$5 a week upwards.

For further particulars, inquiries may be addressed to Professor Francis Wayland, Dean of the Faculty.

PEABODY MUSEUM OF NATURAL HISTORY

TRUSTEES

PROFESSOR JAMES D. DANA, PH.D., LL.D., *Chairman*
HIS EXCELLENCY HOBART B. BIGELOW, *ex-officio*
THE HONORABLE ROBERT C. WINTHROP, LL.D.
PROFESSOR BENJAMIN SILLIMAN, M.D.
PROFESSOR GEORGE J. BRUSH, M.A., *Treasurer*
PROFESSOR OTHNIEL C. MARSH, M.A.
GEORGE PEABODY WETMORE, M.A.

CURATORS.

OTHNIEL C. MARSH, M.A., *Curator of the Geological Collection*
ADDISON E. VERRILL, M.A., *Curator of the Zoological Collection*
EDWARD S. DANA, PH.D., *Curator of the Mineralogical Collection*

The gift of the Founder, GEORGE PEABODY, of London, was committed to the Board of Trustees, in 1866, "to found and maintain a Museum of Natural History, especially in the departments of Zoology, Geology, and Mineralogy, in connection with Yale College." Of the entire gift (\$150,000), \$100,000 was devoted by the donor to the erection, on land given for the purpose by the President and Fellows of the College, of a fire-proof building, planned with special reference to subsequent enlargement. Of the remainder of the gift, the sum of \$20,000 is set apart as a reserve fund for the completion of the building, and the income of \$30,000 is available for the care of the Museum and the increase of its collections.

By the accumulations from investment of the original building-fund, the first wing of the Museum is now completed, at a cost of about \$140,000, or, with cases, \$175,000.

The basement will be used for exhibiting the collection of fossil footprints from the Connecticut valley, and for work and storerooms. The first story contains the Mineralogical Collection, and rooms for instruction in Mineralogy, as well as the general lecture room. The second story is entirely devoted to Geology, and the third to Zoology. The fourth is used for the collection in Archæology and Ethnology, and for storerooms.

So far as the collections are arranged, the Museum is open to students and the public every day in term-time.

THE OBSERVATORY

BOARD OF MANAGERS :

PROFESSOR CHESTER S. LYMAN, M.A., *President*
THOMAS G. BENNETT, Ph.B., of New Haven
JACOB CAMPBELL, Esq., of New York City
PROFESSOR ELIAS LOOMIS, LL.D.
PROFESSOR HUBERT A. NEWTON, LL.D.

OFFICERS :

HUBERT A. NEWTON, *Director*
ROBERT BROWN, JR., *Secretary*
LEONARD WALDO, S.D.
ROBERT W. WILLSON, B.A.
ORRAY T. SHERMAN, B.A.

The Observatory has been built from the avails of the gift of the late Hon. Oliver F. Winchester, on land given by the late Mrs. Cornelia L. Hillhouse and her daughters. The principal astronomical instruments now in use are a six-inch Heliometer constructed by Messrs. Repsold, of Hamburg, and an eight-inch Equatorial by Messrs. Grubb, of Dublin.

The Observatory has established two public services designed to supplement the work now in progress at other Observatories in the United States, and to afford such facilities to the Horological arts and to persons interested in accurate Thermometry, as are given at several of the prominent Observatories in Europe.

For the proper performance of these services the following equipment is in use :

1. Standard clocks, transit instruments, chronographs, and the accessories for refined accuracy in the determination and transmission of time.
2. A complete apparatus for the testing of chronometers, watches, and clocks, in the various positions and conditions of temperature, arranged with reference to the safety against fire and theft of such instruments while in the care of the Observatory.
3. The apparatus for an extended (automatic) public time service.
4. The apparatus for research and comparison in Thermometry, including comparators, cathetometers, and a collection of the best thermometers obtainable of the foreign makers and Observatories which devote special attention to thermometric standards.*

* Descriptive Circulars of the above services have been prepared for the information of persons interested, and may be obtained by addressing the Observatory.

LIBRARIES

ADDISON VAN NAME, M.A., *Librarian*

FRANKLIN B. DEXTER, M.A., *Assistant Librarian*

J. SUMNER SMITH, B.A., *Librarian of Linonian and Brothers Library*

THE COLLEGE LIBRARY numbers about 107,000 volumes, besides many thousand unbound pamphlets. It is designed for the use of the College officers, resident graduates, and the students of the various departments. Other persons may have the privilege of consulting the Library and drawing books by permission of the Library Committee. The Library is open daily in term-time from 9½ A. M. to 1 P. M., and from 2½ to 5 P. M., or during the Winter months, to 4½ P. M.

In the same building is the LINONIAN AND BROTHERS LIBRARY, designed primarily for the use of the undergraduate students, and containing about 25,000 volumes. This Library is open daily from 1½ to 2½ P. M.; on Wednesdays and Saturdays from 10 A. M. to 12 M. and from 1½ to 4 P. M.

In addition to the large number of periodicals received at the College Library, there will be found in the Reading Room (in the Philosophical Building) forty daily newspapers, American and foreign, as many weeklies, and fifty periodicals. The Reading Room is open from 9.30 A. M. to 8 P. M. (on Sundays from 1 to 8 P. M.)

The departments of Theology, of Medicine, and of Law, the Sheffield Scientific School, and the School of the Fine Arts, have each a special Library, accessible to the students of those schools respectively.

The Library of the AMERICAN ORIENTAL SOCIETY, numbering about 3,800 printed books and manuscripts, is kept in the College Library building.

SUMMARY

College Library (exclusive of pamphlets), about	.	107,000 vols.
Linonian and Brothers Library, about	.	25,000 "
Libraries of the Professional Schools, about	.	20,000 "
		<hr/>
		152,000

APPENDIX

APPOINTMENTS FOR COMMENCEMENT,

IN THE UNDERGRADUATE ACADEMICAL DEPARTMENT, JUNE 28, 1882

ORATIONS

BARCLAY JOHNSON, Valedictory Oration, *New York City*
FRANK FROST ABBOTT, Salutatory Oration, *Redding*
JOHN LEWIS WELLS, Philosophical Oration, *Fayetteville, N. Y.*
CHARLES BURR GRAVES, Philosophical Oration, *New London*
BENJAMIN BREWSTER, Philosophical Oration, *New Haven*

Morgan H. Beach, <i>Alexandria, Va.</i>	Charles E. Blumley, <i>Norwich</i>
Julius H. Pratt, Jr., <i>Montclair, N. J.</i>	Daniel S. Sanford, <i>Redding Ridge</i>
Edwin B. Cragin, <i>Colchester</i>	Wayland I. Bruce, <i>Poughkeepsie, N. Y.</i>

George E. Curtis, <i>Birmingham</i>	{ Ferree Brinton, <i>Philadelphia, Pa.</i>
Bryan Cumming, <i>Augusta, Ga.</i>	{ Bernard Titche, <i>Rayville, La.</i>
Samuel M. Parke, <i>Pittston, Pa.</i>	William Churchill, <i>New Haven</i>

DISSERTATIONS

{ Herbert S. Griggs, <i>St. Paul, Minn.</i>	{ Carlton A. Foote, <i>New Haven</i>
{ Daniel B. Weaver, <i>Lancaster, Pa.</i>	{ James H. Kingman, <i>N. Bedford, Ms.</i>
{ Harry C. Fries, <i>Philadelphia, Pa.</i>	{ Arthur S. Osborne, <i>New Haven</i>
{ Chester W. Lyman, <i>New Haven</i>	{ Cyrus Bentley, Jr., <i>Chicago, Ill.</i>
{ John Prescott Kellogg, <i>Waterbury</i>	{ Fred J. Brockway, <i>Hopkinton, N.H.</i>
{ Franklin E. Worcester, <i>Albany, N. Y.</i>	{ James A. Campbell, <i>St. Louis, Mo.</i>
Wilbur H. N. Ford, <i>Milford</i>	Albert H. Atterbury, <i>Trenton, N. J.</i>

DISPUTES

{ Asa P. French, <i>Braintree, Mass.</i>	{ George W. Lay, <i>Easton, Md.</i>
{ Frank A. Kellogg, <i>New Haven</i>	{ Joseph E. Whitney, <i>Cornwall</i>
Alfred B. Kittredge, <i>E. Taffrey, N. H.</i>	{ John F. Beede, <i>Meredith, N. H.</i>
Henry Clarke Jefferds, <i>Bangor, Me.</i>	{ Henry B. Platt, <i>Owego, N. Y.</i>

Harry C. McKnight, <i>Ellington</i>	{ Harry R. Baltz, <i>Philadelphia, Pa.</i>
{ Wilber McBride, <i>Goshen, N. Y.</i>	{ George S. Boltwood, <i>New Haven</i>
{ Frank E. Page, <i>Bath, Me.</i>	{ Chas. L. Scudder, <i>Gt. Barrington, Ms.</i>
{ Walter Murphy, <i>Philadelphia, Pa.</i>	{ Charles B. Storrs, <i>New York City</i>
{ Martin Welles, <i>Newington</i>	{ John Rossiter, <i>North Guilford</i>
	{ Henry S. Snyder, <i>Philadelphia, Pa.</i>
	John R. Hanlon, <i>Pennington, N. J.</i>

COLLOQUIES

{ Robert M. Rolfe, <i>Auburn, Me.</i>	{ George H. Graves, <i>New Haven</i>
{ Clarence A. Smith, <i>Birmingham</i>	{ Josiah C. Palmer, <i>Brooklyn, N. Y.</i>
{ Robert P. Bates, <i>Bennington, Vt.</i>	William S. Pardee, <i>New Haven</i>
{ Seymour C. Loomis, <i>Suffield</i>	{ Edward O. Weed, <i>New York City</i>
Charles N. Morris, <i>West Hartford</i>	{ Chas. A. Wight, <i>N. Hatfield, Mass.</i>
Benj. Huger Rutledge, <i>Charleston, S.C.</i>	Howard H. Knapp, <i>South Norwalk</i>
Howard P. Sweetser, <i>New York City</i>	

Edward V. Silver, <i>Brooklyn, N. Y.</i>	{ Nathaniel R. Bronson, <i>Waterbury</i>
Arthur Scranton, <i>Scranton, Pa.</i>	{ Herbert L. Moodey, <i>Brooklyn, N. Y.</i>
Fred. Messenger Lowe, <i>Fitchburg, Ms.</i>	{ Frank C. Farwell, <i>Chicago, Ill.</i>
Lewis M. Silver, <i>Brooklyn, N. Y.</i>	{ Frank H. Snell, <i>Washington, D. C.</i>
Alfred C. Hand, <i>Honesdale, Pa.</i>	{ Walter I. Badger, <i>Boston, Mass.</i>
	{ Martin Lovering, <i>Harvard, Mass.</i>

The graduating class numbered one hundred and nineteen.

APPOINTMENTS FOR JUNIOR EXHIBITION

IN THE UNDERGRADUATE ACADEMICAL DEPARTMENT, MARCH 30, 1882.

ORATIONS

WOOLSEY CARMALT, *New York City*
 STEPHEN LEONARD GEISTHARDT, *Norwich*
 FREDERIC WILLIAM KELLOGG, *Red Wing, Minn.*
 CHARLES MARTIN KENDALL, *Angelica, N. Y.*
 ALLYN COOK LOOMIS, *Windsor*
 ELIAKIM HASTINGS MOORE, *Denver, Col.*
 CHARLES COLEBROOK SHERMAN, *Syracuse, N. Y.*

Edward G. Bourne, <i>Sharon</i>	Clifford S. Kelsey, <i>Bridgeport</i>
Arthur E. Bowers, <i>North Manchester</i>	Carll A. Lewis, <i>New Haven</i>
Austin L. Bowman, <i>South Windsor</i>	Joseph McKeen Lewis, <i>New York City</i>
George P. Carroll, <i>Forestville</i>	Edward T. McLaughlin, <i>Litchfield</i>
Arthur B. Cornwall, <i>New Haven</i>	William Price, <i>Pottstown, Pa.</i>
Everett J. Esselstyn, <i>Hollowville, N. Y.</i>	Thomas S. Southworth, <i>W. Springfield, Mass.</i>
William I. Grubb, <i>Cincinnati, O.</i>	Horace D. Taft, <i>Cincinnati, O.</i>
George W. Johnston, <i>Frankfort, Ky.</i>	

Richard M. Bissell, <i>Chicago, Ill.</i>	Daniel S. Knowlton, <i>Biddeford, Me.</i>
Henry E. Bourne, <i>Sharon</i>	Cleveland L. Moffett, <i>Newton, N. J.</i>
George E. Bowman, <i>South Windsor</i>	Augustus T. Morgan, <i>Bingham'n, N. Y.</i>
Albert Carr, <i>Collinsville</i>	Walter E. Nettleton, <i>Stockbridge, Mass.</i>
Samuel B. Childs, <i>East Hartford</i>	Samuel B. Platner, <i>Newark, N. J.</i>
Charles C. Clarke, <i>Sing Sing, N. Y.</i>	David F. Read, <i>Bridgeport</i>
Arnold G. Dana, <i>New Haven</i>	Linton Satterthwait, <i>Trenton, N. J.</i>
Maurice E. Dunham, <i>Edgartown, Mass.</i>	Herbert R. Smith, <i>Norwalk</i>
Henry E. Fisk, <i>Chicago, Ill.</i>	Sherman D. Thacher, <i>New Haven</i>
Victor E. Helleberg, <i>Cincinnati, O.</i>	Harold Vernon, <i>Brooklyn, N. Y.</i>
George C. Jennings, <i>Cleveland, O.</i>	

DISSERTATIONS

Lucius Boltwood, <i>New Haven</i>	Sheldon Q. Kerruish, <i>Cleveland, O.</i>
Henry W. Calhoun, <i>New York City</i>	Harry W. Latham, <i>Bridgeport</i>
Henry M. Chase, <i>Syracuse, N. Y.</i>	Marcus Morton, <i>Andover, Mass.</i>
Robert H. Cornish, <i>Gillette, N. J.</i>	John Pierpont, <i>New Haven</i>
Charles Halsey, <i>Brooklyn, N. Y.</i>	Austin R. Preston, <i>Buffalo, N. Y.</i>
Benjamin V. Harrison, <i>Montclair, N. J.</i>	Andrew L. Sawyer, <i>Greenwich</i>
Irving W. Hart, <i>Southington</i>	William Trumbull, <i>Valparaiso, Chili</i>
Horace G. Hoadley, <i>New Haven</i>	

DISPUTES

Frank H. Beede, <i>Dover, N. H.</i>	Samuel R. Jewett, <i>Chicago, Ill.</i>
David H. Buel, <i>Yonkers, N. Y.</i>	Francis B. Kellogg, <i>Avon</i>
Charles W. Burpee, <i>Waterbury</i>	Fred. C. Leonard, <i>Spring Mills, N. Y.</i>
Charles H. Burr, <i>Bloomington, Ill.</i>	George H. A. Lyford, <i>Cincinnati, O.</i>
George L. Burton, <i>New Haven</i>	Isaac B. Newton, <i>Norwich, N. Y.</i>
Clifford D. Ham, <i>Dubuque, Iowa</i>	Joseph J. Rose, <i>Bridgeport</i>
Frederic W. Havens, <i>Bridgeport</i>	Frank P. Sproul, <i>Pittsburgh, Pa.</i>
Wilber E. Houpt, <i>Somerset, N. Y.</i>	William H. Stockwell, <i>Orange, N. J.</i>
George Cromwell, <i>Brooklyn, N. Y.</i>	Charles S. Foote, <i>Port Henry, N. Y.</i>
Edward N. Dingley, <i>Lewiston, Me.</i>	John A. Moore, <i>St. Louis, Mo.</i>
Seward H. Fields, <i>Atlanta, Ill.</i>	Joseph R. Parrott, <i>Oxford, Me.</i>
Charles J. Foote, <i>New Haven</i>	James F. Raymond, <i>Brooklyn, N. Y.</i>

COLLOQUIES.

Francis D. Chamberlain, <i>W Chester, Pa.</i>	Dudley Phelps, <i>New York City</i>
Arthur L. Fisk, <i>Northampton, Mass.</i>	Edward E. Smith, <i>Birmingham</i>
Henry A. Forchheimer, <i>Mobile, Ala.</i>	John E. Wayland, <i>New York City</i>
Joseph H. Nelson, <i>Aurora, Ill.</i>	
John F. Craul, <i>Hall, Pa.</i>	Thomas D. Husted, <i>Peekskill, N. Y.</i>
Laurent C. Deming, <i>Hartford</i>	Rollin A. Sawyer, <i>Greenwich</i>

HOLDERS OF FELLOWSHIPS,

ACADEMICAL DEPARTMENT:

DOUGLAS Fellow—PHILIP G. BARTLETT, B.A., Class of 1881.

SOLDIERS' Memorial Fellow—WALTER R. BRIDGMAN, B.A., Class of 1881.

SILLIMAN Fellow—ARTHUR E. BOSTWICK, B.A., Class of 1881.

THEOLOGICAL DEPARTMENT:

HOOVER Fellow—CHARLES H. WILLCOX, B.D., Class of 1881.

SCHOLARS OF THE HOUSE, ACADEMICAL DEPARTMENT:

LARNED Scholar, Class of 1880—WALTER H. BUELL, B.A.

BERKELEY Scholar, Class of 1881—EDWIN E. AIKEN, B.A.

LARNED Scholar, Class of 1881—ISAAC THOMAS, B.A.

BRISTED Scholar, Class of 1881—ADRIAN S. VAN DE GRAAFF, B.A.

LARNED Scholar, Class of 1882—BARCLAY JOHNSON, B.A.

CLARK Scholar, Class of 1882—FRANK F. ABBOTT, B.A.

WOOLSEY Scholar, Class of 1883—ELIAKIM H. MOORE, Jr.

WOOLSEY Scholar, Class of 1884—GUSTAVE F. GRUENER.

WOOLSEY Scholar, Class of 1885—GUY W. MALLON.

OTHER PREMIUMS AWARDED DURING THE YEAR 1881-2.

UNIVERSITY PRIZE:

JOHN A. PORTER Prize—THOMAS R. MORROW, B.A., of the Class of 1882, Department of Law.

ACADEMICAL DEPARTMENT:

WOOLSEY Scholarship, Class of 1885—Guy W. Mallon and Eugene L. Richards, Jr., being equal in rank, the Scholarship fell by lot to Mallon.

HURLBUT Scholarship, Class of 1885—Eugene L. Richards, Jr.

THIRD Freshman Scholarship, Class of 1885—John D. Ferris.

DEFOREST Medal, Class of 1882—Benjamin Brewster.

TOWNSEND Premiums for English Composition, Class of 1882—Cyrus Bentley, Jr., Wayland I. Bruce, Harry C. Fries, Walter Murphy, Joseph E. Whitney.

COBDEN Club Medal for proficiency in Political Economy, Class of 1882—Albert H. Atterbury.

1ST SENIOR Mathematical Prize, Class of 1882—George E. Curtis.

PREMIUM for solution of Astronomical Problems, Class of 1882—George E. Curtis.

SCOTT Prize in German, Class of 1882—Charles B. Storrs, with honorable mention of Burnside Foster.

SCOTT Prize in French, Class of 1883— $\left\{ \begin{array}{l} \text{Arthur B. Cornwall,} \\ \text{William Price.} \end{array} \right.$

WINTHROP Prizes, Class of 1883—1st Prize, Charles C. Sherman; 2d Prize, Joseph M. Lewis.

CLARK Mathematical Prize, Class of 1885—John S. Pardee.

JUNIOR EXHIBITION PREMIUMS, CLASS OF 1883 :

1st Prizes, George W. Johnston and Fred C. Leonard ; 2d Prizes, Arthur E. Bowers, Charles W. Burpee, Woolsey Carmalt, Cleveland L. Moffett, Eliakim H. Moore, Jr., Thomas S. Southworth, William Trumbull, Harold Vernon.

PREMIUMS FOR ENGLISH COMPOSITION, CLASS OF 1884 :

1st Term : 1st Prizes, Edward C. Gale, William E. Nichols, Harry M. Painter, Henry M. Wolf ; 2d Prizes, Charles M. Boswell, George M. Cheney, Reginald Foster, Edward W. Potter, Joseph Tomlinson, Jr. ; 3d Prizes, John Holden, Selden P. Spencer, Frank Strong, George Urquhart, Jr.

2d Term : 1st Prizes, Edward C. Gale, Daniel H. Griffing, William E. Nichols, Harry M. Painter, Henry M. Wolf ; 2d Prizes, Wallace S. Allis, Robert H. Lyman, George H. Makuen, Frank Strong, Henry B. Twombly ; 3d Prizes, Edward M. Chapman, Leonard M. Daggett, Reginald Foster, Charles J. Jennings, Harry W. Prouty.

PRIZES FOR DECLAMATION, CLASS OF 1884 :

1st Prize, George H. Makuen ; 2d Prize, Daniel H. Griffing and Sydney Stein ; 3d Prize, Paul E. Jenks and Selden P. Spencer.

MATHEMATICAL PREMIUMS :

Class of 1884—1st Prize, George E. Cohen ; 2d Prizes, George W. Patterson, John I. Souther ; 3d Prizes, Dean A. Walker, Herbert W. Wolcott.

Class of 1885—1st Prize, Guy W. Mallon ; 2d Prize, Paul I. Welles ; 3d Prizes, Lucius O. Baird, Wolff Willner.

BERKELEY PREMIUMS FOR LATIN COMPOSITION, CLASS OF 1885 :

1st grade, Jonathan Barnes, John C. Bridgman, Guy W. Mallon, Frank R. Shipman, Frank Van Allen, Herbert H. White ; 2d grade, Edward H. Chandler, Dixi L. Crosby, John D. Ferris, John S. Pardee, John W. Platner, Eugene L. Richards, Jr.

SHEFFIELD SCIENTIFIC SCHOOL

Class of 1882 :

FOR EXCELLENCE IN CIVIL ENGINEERING, Norman Smith Latham, and Sheldon Elton Minor.

FOR EXCELLENCE IN DYNAMIC ENGINEERING, Frank Judson Lambert, and Herbert Waldron Faulkner.

FOR EXCELLENCE IN GERMAN, Frederick William LaForge.

Class of 1883 :

FOR EXCELLENCE IN THE MATHEMATICS OF JUNIOR YEAR, John Bartholomew, and Frederick Elijah Beach.

Class of 1884 :

FOR EXCELLENCE IN ALL THE STUDIES OF FRESHMAN YEAR, Charles Percival Farquhar, and Edwin Musser Herr, with honorable mention of George Wyckoff Cummins.

FOR EXCELLENCE IN GERMAN, Charles Percival Farquhar.

FOR EXCELLENCE IN MATHEMATICS, Charles Percival Farquhar.

FOR EXCELLENCE IN PHYSICS, Edward Blake, Charles Percival Farquhar, and Edwin Musser Herr.

FOR EXCELLENCE IN CHEMISTRY, Edwin Musser Herr.

FOR EXCELLENCE IN MECHANICAL DRAWING, George Wyckoff Cummins, Edwin Musser Herr, Harry Hall Keyes, and Albert Lucas.

FOR EXCELLENCE IN ENGLISH COMPOSITION—1st Prizes, Davenport Galbraith, Calvin Linsley Harrison, Samuel Brown Hawley, Edwin Musser Herr, and William Wallace Nichols ; 2d Prizes, Lawrence Vincent Benét, and James Henry Warner ; 3d prizes, Benjamin Wales Dodge, Charles Percival Farquhar, and Willis LaFayette Perkins.

DEPARTMENT OF LAW.

TOWNSEND PRIZE (\$100), for pronouncing the best oration at graduation—William R. Barbour, B.A.

Committee of Award : Cyrus Bentley, Esq., Chicago, Ill.

Hon. James H. Olmsted, Stamford, Conn.

Theodore Bacon, Esq., Rochester, N. Y.

JEWELL PRIZE (\$50), for the best examination at graduation—William Ransom Barbour, B.A.

BETTS PRIZE (\$50), for the best examination on the studies of the Junior year—Daniel William Lawler, B.A., Georgetown College.

HONORS:

SENIORS.

William R. Barbour (Jewell Prize),
Frederic W. Keator, B.A.
Thomas R. Morrow, B.A.
Arthur M. Taft,
Eugene W. Walker, B.A.

JUNIORS.

Daniel W. Lawler (Betts Prize),
Nathaniel T. Guernsey, B.A.
Sain Welty, B.A. }
Illinois Wesleyan Univ. }
Charles Kleiner,
Arthur E. Walradt, B.A.